36270-1-P

# Ohio Labor Market Information

# Labor Market Review

May 1990

**Summary.** The seasonally adjusted unemployment rate in Ohio for May was unchanged from the April rate of 5.9 percent. In the U.S., the rate fell from 5.4 percent in April to 5.3 percent in May. Ohio's total employment rose 9,000 from April to 5,107,000. The number of unemployed workers, at 321,000 increased 2,000 over the month. Nonfarm wage and salary employment (seasonally adjusted) advanced 7,000 from April to 4,910,000 in May. (See page 3.)

**Goods-Producing Industries.** Employment in goods-producing industries declined slightly from April to 1,338,000 in May. Both durable-goods employment, at 749,000, and nondurable-goods employment, at 373,000, were unchanged from April. There were small gains in printing and publishing and in rubber and miscellaneous plastics products and a slight drop in electronic and other electric equipment. Construction employment slipped 1,000 to 198,000 in May, while mining employment remained at 18,000.

**Service-Producing Industries.** An increase of 4,000 in services helped to boost employment in service-producing industries 8,000 from April to 3,572,000 in May. Employment in government was up 2,000, while wholesale trade and retail trade each advanced 1,000. There was no significant change in employment in transportation and public utilities or in finance, insurance, and real estate.

**Over the Year.** Ohio's unemployment rate increased from 5.4 percent in May 1989 to 5.9 percent in May 1990. The national rate of 5.3 percent was up from 5.2 percent a year ago. Total employment in Ohio fell 9,000 from May 1989, while total unemployment rose 28,000. Over the year, nonfarm wage and salary employment advanced 116,000. The largest gains were in services (+38,000) and in retail trade (+37,000). Government, wholesale trade, and construction also had noteworthy increases. Manufacturing employment declined 3,000 over the year as losses in most durable-goods industries, especially transportation equipment and primary metal industries, overshadowed growth in nondurable-goods employment.

**Factory Hours and Earnings.** Production workers in manufacturing industries in Ohio earned a record-high average of $540.99 per week in May, up $23.90 from April. Their average workweek rose 1.3 hours to 42.8 hours. Almost all manufacturing industries had increased earnings due to more overtime in May. The most significant were motor vehicles and equipment, metal forgings and stampings, general industrial machinery, miscellaneous plastics products, refrigeration and service machinery, and fabricated structural metal products.

**Benefits and Costs.** There were 43,125 initial claims filed under the Ohio Unemployment Compensation Law in May, down 15.6 percent from April and down 2.6 percent from May 1989.

**Ohio Bureau of Employment Services**

Richard F. Celeste, Governor  Ellen O'Brien Saunders, Administrator

Total benefits paid fell 6.6 percent to $56.8 million. The average weekly benefit check of $168.39 was $1.38 lower than in April. The average weekly number of benefit recipients, at 74,441, was down 18.5 percent. At the end of May, there were 205,506 active employer accounts.

**Employment Service.** The Ohio Bureau of Employment Services helped 35,050 new job applicants in May, up 0.3 percent from April, but down 6.8 percent from May 1989. Job openings received from employers rose 17.8 percent from April to 12,605. The Employment Services Division made 28,586 job referrals and 5,770 placements.

## Occupational Survey Underway

Many Ohio employers in the nonmanufacturing sector are being asked to participate in the Occupational Employment Statistics (OES) survey. The OES survey provides baseline information on the occupational composition of jobs in Ohio. These data have many uses, including being a major input in developing projections of future employment patterns and training needs. OES data are also helpful in market research targeted toward specific groups of workers and in developing company staffing strategies.

Occupational Employment Statistics are obtained by a mail survey of a sample of employers in nonagricultural industries. Information provided by individual employers is confidential and will not be identifiable in OES publications. For further information on the OES survey, contact Rick Greene at (614) 644-2689, or write:

Ohio Bureau of Employment Services
Labor Market Information Division
P.O. Box 1618
Columbus, Ohio 43216

## In This Issue


Summary ..... 1
Seasonally Adjusted Series
Current Data ..... 3
Historical Data ..... 5
Civilian Labor Force and Nonagricultural Wage and Salary Employment Graphs ..... 6
Nonseasonally Adjusted Series
Historical Data ..... 7
Current Data ..... 10

Akron PMSA Data ..... 14
Canton MSA Data ..... 18
Cincinnati PMSA Data ..... 22
Cleveland PMSA Data ..... 26
Columbus MSA Data ..... 30
Dayton–Springfield MSA Data ..... 34
Toledo MSA Data ..... 38
Youngstown–Warren MSA Data ..... 42

Minor Metropolitan Areas ..... 46
Hamilton–Middletown PMSA Data ..... 47
Lima MSA Data ..... 48
Lorain–Elyria PMSA Data ..... 49
Mansfield MSA Data ..... 50
Steubenville–Weirton MSA Data ..... 51

Technical Notes ..... 52
Employment Service Activities and Unemployment Insurance Activities ..... 53

## Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

Ohio

| | Employment (in thousands) | | | Change[b] (in thousands) | | Percent Change[c] | |
|---|---|---|---|---|---|---|---|
| | May 1990 | Apr. 1990 | May 1989 | From Last Month | From Last Year | From Last Month | From Last Year |
| **Household Survey Data[d]** | | | | | | | |
| Civilian Labor Force | 5,428 | 5,417 | 5,409 | 11 | 19 | .2 | .4 |
| Employment | 5,107 | 5,098 | 5,116 | 9 | -9 | .2 | -.2 |
| Unemployment | 321 | 319 | 293 | 2 | 28 | .6 | 9.6 |
| Unemployment Rate | 5.9 | 5.9 | 5.4 | | | | |
| **Employer Survey Data[e]** | | | | | | | |
| **Total** | 4,910 | 4,904 | 4,795 | 7 | 116 | .1 | 2.4 |
| **Goods-Producing Industries** | 1,338 | 1,340 | 1,332 | -1 | 6 | -.1 | .5 |
| Mining | 18 | 18 | 18 | 0 | 0 | .4 | 1.2 |
| Coal Mining | 8 | 8 | 8 | 0 | 0 | .4 | 1.0 |
| Oil and Gas Extraction | 6 | 6 | 6 | 0 | 0 | .6 | .3 |
| Construction | 198 | 199 | 190 | -1 | 9 | -.6 | 4.6 |
| General Building Contractors | 47 | 47 | 46 | 0 | 1 | -.4 | 3.1 |
| Heavy Construction, Except Building | 23 | 23 | 23 | -1 | 0 | -4.1 | .1 |
| Special Trade Contractors | 128 | 129 | 121 | 0 | 7 | -.1 | 6.0 |
| Manufacturing | 1,122 | 1,122 | 1,125 | 0 | -3 | .0 | -.3 |
| Durable Goods | 749 | 749 | 755 | 0 | -7 | -.1 | -.9 |
| Lumber and Wood Products | 23 | 23 | 22 | 0 | 1 | .6 | 6.3 |
| Furniture and Fixtures | 15 | 16 | 15 | 0 | 0 | -1.0 | .7 |
| Stone, Clay, and Glass Products | 46 | 46 | 46 | 0 | 0 | -.4 | .5 |
| Primary Metal Industries | 101 | 100 | 103 | 0 | -2 | .4 | -1.8 |
| Fabricated Metal Products | 135 | 135 | 136 | 0 | -1 | .2 | -.8 |
| Industrial Machinery and Equipment | 167 | 167 | 168 | 0 | -1 | .3 | -.4 |
| Electronic and Other Electric Equipment | 78 | 79 | 79 | -1 | -1 | -.9 | -1.5 |
| Transportation Equipment | 141 | 142 | 144 | 0 | -3 | -.3 | -2.2 |
| Instruments and Related Products | 26 | 26 | 27 | 0 | 0 | -.1 | -1.7 |
| Nondurable Goods | 373 | 373 | 369 | 0 | 4 | .0 | 1.0 |
| Food and Kindred Products | 64 | 64 | 63 | 0 | 0 | -.8 | .1 |
| Apparel and Other Textile Products | 15 | 15 | 15 | 0 | 0 | 1.5 | -1.2 |
| Paper and Allied Products | 38 | 38 | 38 | 0 | 0 | -1.0 | .2 |
| Printing and Publishing | 76 | 75 | 74 | 1 | 2 | .7 | 2.6 |
| Chemicals and Allied Products | 66 | 66 | 65 | 0 | 1 | -.2 | 1.6 |
| Rubber and Misc. Plastics Products | 97 | 96 | 96 | 1 | 1 | .7 | [illegible] |
| **Service-Producing Industries** | 3,572 | 3,564 | 3,463 | 8 | 110 | .2 | 3.2 |
| Transportation and Public Utilities | 218 | 218 | 215 | 0 | 3 | .0 | 1.6 |
| Transportation | 128 | 128 | 124 | 0 | 4 | .2 | 3.2 |
| Communications, Electric, Gas Services | 90 | 90 | 91 | 0 | -1 | -.4 | -.6 |

See footnotes on page 4.

## Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

| | Employment (in thousands) | | | Change[b] (in thousands) | | Percent Change[c] | |
|---|---|---|---|---|---|---|---|
| | May 1990 | Apr. 1990 | May 1989 | From Last Month | From Last Year | From Last Month | From Last Year |
| Wholesale Trade | 272 | 270 | 262 | 1 | 9 | .4 | 3.6 |
| Wholesale Trade-Durable Goods | 172 | 171 | 166 | 1 | 5 | .4 | 3.3 |
| Wholesale Trade-Nondurable Goods | 100 | 99 | 96 | 1 | 4 | .6 | 4.1 |
| Retail Trade | 933 | 932 | 896 | 1 | 37 | .1 | 4.1 |
| Building Materials and Garden Supplies | 36 | 36 | 34 | 0 | 2 | -.5 | 4.6 |
| General Merchandise Stores | 128 | 128 | 126 | 1 | 3 | .4 | 2.0 |
| Food Stores | 144 | 144 | 139 | 0 | 4 | .0 | 3.2 |
| Automotive Dealers and Service Stations | 102 | 102 | 98 | 0 | 4 | .1 | 3.7 |
| Apparel and Accessory Stores | 52 | 52 | 48 | 0 | 4 | .4 | 8.7 |
| Furniture and Homefurnishings Stores | 33 | 33 | 32 | 0 | 2 | .4 | 6.0 |
| Eating and Drinking Places | 315 | 315 | 306 | 0 | 9 | .0 | 3.0 |
| Miscellaneous Retail | 122 | 122 | 113 | 0 | 9 | .2 | 8.3 |
| Finance, Insurance, and Real Estate | 257 | 257 | 251 | 0 | 6 | .1 | 2.3 |
| Finance | 121 | 121 | 119 | 0 | 1 | .0 | 1.1 |
| Depository Institutions | 91 | 91 | 90 | 0 | 0 | -.2 | .5 |
| Insurance | 93 | 93 | 90 | 0 | 2 | .1 | 2.6 |
| Real Estate | 44 | 44 | 42 | 0 | 2 | .4 | 5.2 |
| Services | 1,171 | 1,168 | 1,133 | 4 | 38 | .3 | 3.4 |
| Hotels and Other Lodging Places | 39 | 39 | 38 | 0 | 1 | .0 | 1.8 |
| Personal Services | 55 | 55 | 53 | 0 | 2 | -.6 | 3.2 |
| Business Services | 215 | 213 | 202 | 1 | 13 | .6 | 6.3 |
| Amusements, Including Motion Pictures | 56 | 56 | 57 | 0 | -1 | .2 | -1.6 |
| Health Services | 395 | 394 | 383 | 1 | 12 | .3 | 3.2 |
| Legal Services | 30 | 30 | 28 | 0 | 2 | .6 | 6.0 |
| Educational Services | 60 | 60 | 62 | 0 | -2 | -.3 | -3.4 |
| Social Services | 74 | 74 | 71 | 0 | 3 | .5 | 3.8 |
| Membership Organizations | 80 | 80 | 78 | 0 | 2 | .3 | 3.1 |
| Engineering and Management Services | 87 | 86 | 84 | 0 | 2 | .3 | 2.6 |
| Government | 721 | 719 | 704 | 2 | 16 | .3 | 2.3 |
| Federal Government | 100 | 99 | 97 | 1 | 3 | 1.2 | 3.3 |
| State Government | 161 | 161 | 157 | 0 | 4 | .1 | 2.7 |
| State Government Education | 84 | 84 | 82 | 0 | 2 | -.2 | 2.5 |
| Local Government | 459 | 458 | 450 | 1 | 9 | .2 | 2.0 |
| Local Government Education | 267 | 267 | 263 | 0 | 4 | -.1 | 1.7 |

[a]Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b]Changes are computed from unrounded numbers. [c]Percentages are computed from unrounded numbers. [d]From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e]From the Current Employment Statistics Survey, a monthly survey of approximately 12,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work.

# Seasonally Adjusted Estimates[a]

## Ohio Civilian Labor Force Estimates

(In Thousands)

| Civilian Labor Force | | | Unemployment Rates | | |
|---|---|---|---|---|---|
| Total | Employed | Unemployed | Ohio | U.S. | |
| | | | | | 1988 |
| 5,278 | 4,957 | 321 | 6.1 | 5.6 | May |
| 5,289 | 4,981 | 308 | 5.8 | 5.4 | June |
| 5,294 | 5,000 | 294 | 5.6 | 5.5 | July |
| 5,311 | 5,007 | 304 | 5.7 | 5.6 | August |
| 5,283 | 4,966 | 317 | 6.0 | 5.4 | September |
| 5,333 | 5,038 | 295 | 5.5 | 5.3 | October |
| 5,362 | 5,063 | 299 | 5.6 | 5.3 | November |
| 5,350 | 5,060 | 290 | 5.4 | 5.3 | December |
| | | | | | 1989 |
| 5,399 | 5,078 | 321 | 5.9 | 5.4 | January |
| 5,386 | 5,109 | 277 | 5.1 | 5.2 | February |
| 5,403 | 5,116 | 287 | 5.3 | 5.0 | March |
| 5,374 | 5,090 | 284 | 5.3 | 5.3 | April |
| 5,409 | 5,116 | 293 | 5.4 | 5.2 | May |
| 5,445 | 5,142 | 303 | 5.6 | 5.3 | June |
| 5,420 | 5,124 | 296 | 5.5 | 5.3 | July |
| 5,427 | 5,162 | 265 | 4.9 | 5.3 | August |
| 5,441 | 5,153 | 288 | 5.3 | 5.3 | September |
| 5,462 | 5,135 | 327 | 6.0 | 5.3 | October |
| 5,415 | 5,081 | 334 | 6.2 | 5.3 | November |
| 5,442 | 5,110 | 332 | 6.1 | 5.3 | December |
| | | | | | 1990 |
| 5,426 | 5,060 | 366 | 6.7 | 5.3 | January |
| 5,372 | 5,061 | 311 | 5.8 | 5.3 | February |
| 5,402 | 5,107 | 295 | 5.5 | 5.2 | March |
| 5,417 | 5,098 | 319 | 5.9 | 5.4 | April |
| 5,428 | 5,107 | 321 | 5.9 | 5.3 | May |

## Ohio Nonagricultural Wage and Salary Employment

(In Thousands)

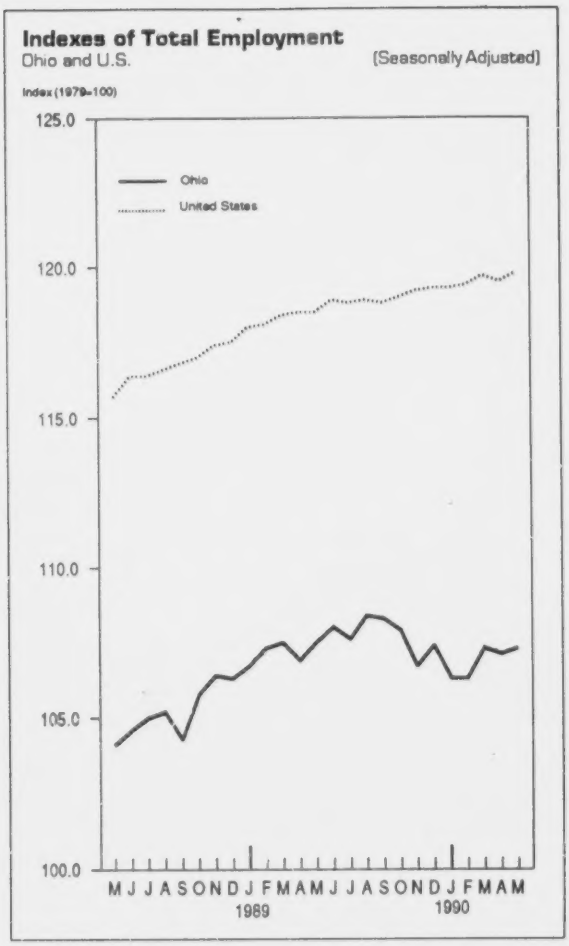
| Nonagricultural Employment | | | | | |
|---|---|---|---|---|---|
| | Goods-Producing Employment | | | | |
| Total | Total | Mining | Construction | Manufacturing | |
| | | | | | 1988 |
| 4,689 | 1,312 | 19 | 188 | 1,105 | May |
| 4,707 | 1,316 | 19 | 188 | 1,109 | June |
| 4,713 | 1,319 | 19 | 186 | 1,114 | July |
| 4,713 | 1,317 | 19 | 186 | 1,112 | August |
| 4,727 | 1,320 | 19 | 186 | 1,115 | September |
| 4,732 | 1,322 | 18 | 184 | 1,119 | October |
| 4,745 | 1,325 | 18 | 186 | 1,121 | November |
| 4,761 | 1,329 | 18 | 188 | 1,123 | December |
| | | | | | 1989 |
| 4,775 | 1,338 | 18 | 191 | 1,128 | January |
| 4,796 | 1,340 | 18 | 194 | 1,128 | February |
| 4,817 | 1,342 | 18 | 194 | 1,130 | March |
| 4,791 | 1,336 | 18 | 193 | 1,125 | April |
| 4,795 | 1,332 | 18 | 190 | 1,125 | May |
| 4,809 | 1,335 | 18 | 192 | 1,126 | June |
| 4,809 | 1,325 | 15 | 192 | 1,118 | July |
| 4,828 | 1,335 | 18 | 193 | 1,124 | August |
| 4,835 | 1,334 | 18 | 193 | 1,122 | September |
| 4,834 | 1,324 | 18 | 194 | 1,112 | October |
| 4,850 | 1,332 | 18 | 196 | 1,119 | November |
| 4,862 | 1,334 | 18 | 197 | 1,119 | December |
| | | | | | 1990 |
| 4,848 | 1,312 | 18 | 198 | 1,097 | January |
| 4,892 | 1,341 | 18 | 199 | 1,124 | February |
| 4,905 | 1,340 | 18 | 200 | 1,122 | March |
| 4,904 | 1,340 | 18 | 199 | 1,122 | April |
| 4,910 | 1,338 | 18 | 198 | 1,122 | May |

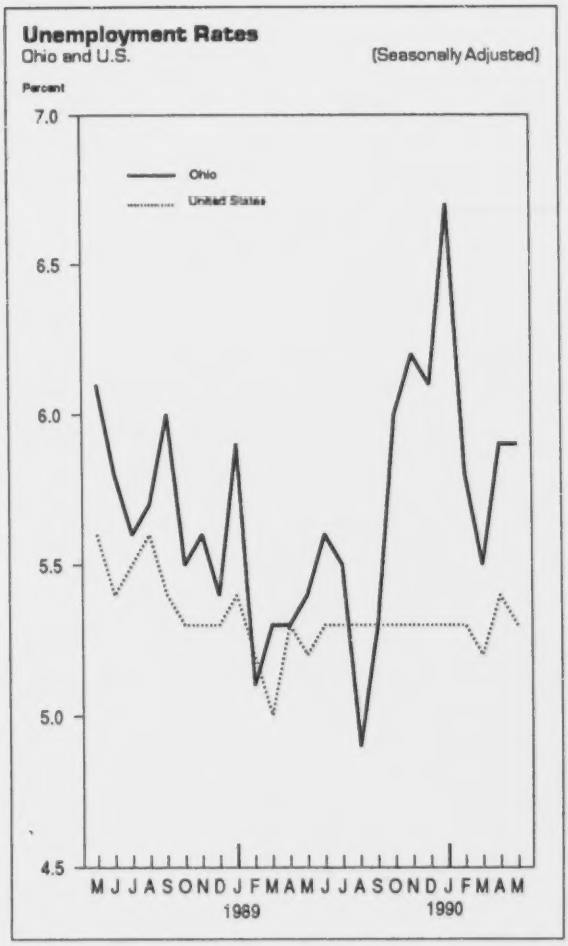
## Service-Producing Employment

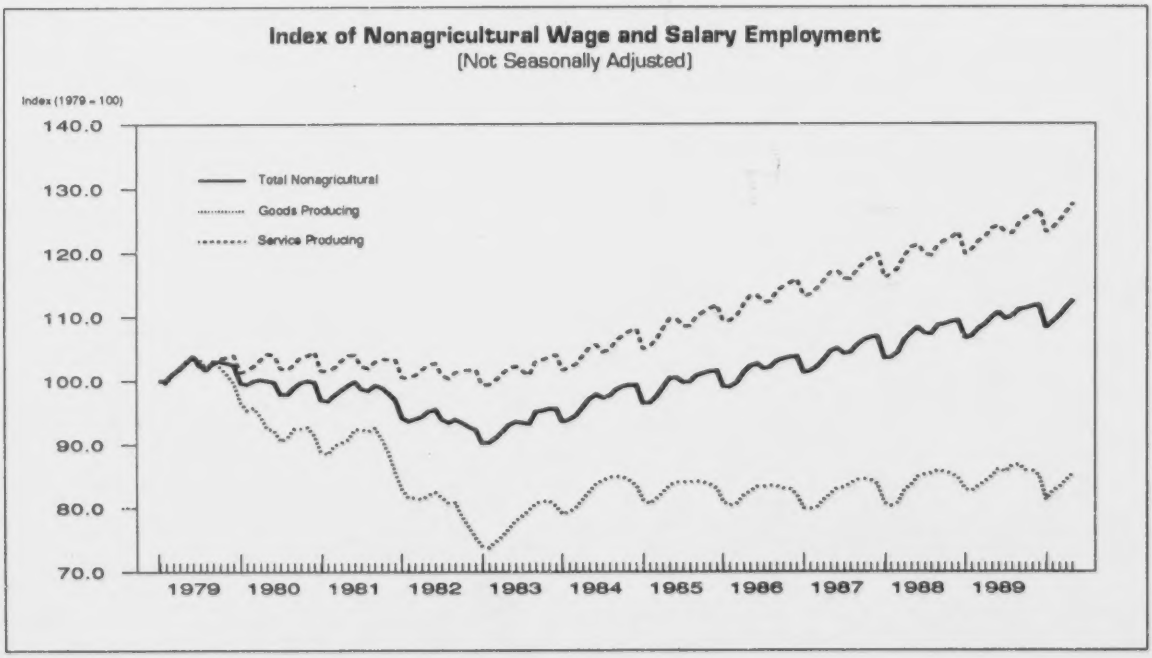
(In Thousands)

| Total | Transportation & Public Utilities | | Wholesale Trade | Retail Trade | Finance, Insurance, & Real Estate | | Services | Government |
|---|---|---|---|---|---|---|---|---|
| | | 1988 | | | | 1988 | | |
| 3,377 | 212 | May | 256 | 878 | 249 | May | 1,089 | 693 |
| 3,390 | 213 | June | 256 | 881 | 250 | June | 1,098 | 692 |
| 3,393 | 213 | July | 258 | 879 | 249 | July | 1,099 | 695 |
| 3,396 | 214 | August | 258 | 881 | 249 | August | 1,105 | 689 |
| 3,407 | 213 | September | 258 | 881 | 249 | September | 1,109 | 696 |
| 3,410 | 212 | October | 259 | 879 | 249 | October | 1,112 | 698 |
| 3,419 | 213 | November | 260 | 881 | 249 | November | 1,116 | 700 |
| 3,432 | 214 | December | 260 | 886 | 250 | December | 1,123 | 700 |
| | | 1989 | | | | 1989 | | |
| 3,437 | 215 | January | 261 | 889 | 250 | January | 1,124 | 699 |
| 3,456 | 215 | February | 261 | 897 | 251 | February | 1,130 | 701 |
| 3,475 | 215 | March | 262 | 905 | 252 | March | 1,137 | 703 |
| 3,455 | 215 | April | 261 | 896 | 251 | April | 1,131 | 702 |
| 3,463 | 215 | May | 262 | 896 | 251 | May | 1,133 | 704 |
| 3,474 | 215 | June | 263 | 900 | 252 | June | 1,138 | 704 |
| 3,484 | 215 | July | 264 | 904 | 253 | July | 1,141 | 707 |
| 3,494 | 216 | August | 265 | 906 | 253 | August | 1,145 | 708 |
| 3,501 | 216 | September | 266 | 909 | 254 | September | 1,148 | 708 |
| 3,509 | 217 | October | 267 | 913 | 254 | October | 1,148 | 711 |
| 3,518 | 217 | November | 267 | 916 | 255 | November | 1,152 | 710 |
| 3,527 | 218 | December | 268 | 919 | 255 | December | 1,156 | 711 |
| | | 1990 | | | | 1990 | | |
| 3,535 | 219 | January | 269 | 926 | 256 | January | 1,154 | 711 |
| 3,551 | 219 | February | 269 | 931 | 257 | February | 1,159 | 717 |
| 3,565 | 220 | March | 270 | 934 | 257 | March | 1,166 | 718 |
| 3,564 | 218 | April | 270 | 932 | 257 | April | 1,168 | 719 |
| 3,572 | 218 | May | 272 | 933 | 257 | May | 1,171 | 721 |

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.


Indexes of Total Employment
Ohio and U.S.
(Seasonally Adjusted)
Index (1979=100)
125.0
120.0
115.0
110.0
105.0
100.0
Ohio
United States
M J J A S O N D J F M A M J J A S O N D J F M A M
1989
1990


Unemployment Rates
Ohio and U.S.
(Seasonally Adjusted)
Percent
7.0
6.5
6.0
5.5
5.0
4.5
Ohio
United States
M J J A S O N D J F M A M J J A S O N D J F M A M
1989
1990


Index of Nonagricultural Wage and Salary Employment
(Not Seasonally Adjusted)
Index (1979 = 100)
140.0
130.0
120.0
110.0
100.0
90.0
80.0
70.0
Total Nonagricultural
Goods Producing
Service Producing
1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989

# Nonseasonally Adjusted Estimates[a]

## Ohio Civilian Labor Force Estimates
(in thousands)

| Civilian Labor Force | | | Unemployment Rates | | |
|---|---|---|---|---|---|
| Total | Employed | Unemployed | Ohio | U.S. | |
| 5,059 | 4,760 | 299 | 5.9 | 5.8 | 1979 |
| 5,089 | 4,663 | 426 | 8.4 | 7.1 | 1980 |
| 5,100 | 4,608 | 492 | 9.6 | 7.6 | 1981 |
| 5,114 | 4,474 | 640 | 12.5 | 9.7 | 1982 |
| 5,099 | 4,478 | 621 | 12.2 | 9.6 | 1983 |
| 5,089 | 4,609 | 480 | 9.4 | 7.5 | 1984 |
| 5,135 | 4,680 | 455 | 8.9 | 7.2 | 1985 |
| 5,232 | 4,806 | 425 | 8.1 | 7.0 | 1986 |
| 5,253 | 4,886 | 367 | 7.0 | 6.2 | 1987 |
| 5,322 | 5,002 | 320 | 6.0 | 5.5 | 1988 |
| 5,419 | 5,118 | 300 | 5.5 | 5.3 | 1989 |
| | | | | | 1989 |
| 5,393 | 5,117 | 276 | 5.1 | 5.0 | May |
| 5,505 | 5,184 | 320 | 5.8 | 5.5 | June |
| 5,483 | 5,210 | 273 | 5.0 | 5.3 | July |
| 5,481 | 5,223 | 259 | 4.7 | 5.1 | August |
| 5,425 | 5,158 | 267 | 4.9 | 5.1 | September |
| 5,477 | 5,169 | 308 | 5.6 | 5.0 | October |
| 5,434 | 5,113 | 321 | 5.9 | 5.2 | November |
| 5,421 | 5,094 | 328 | 6.0 | 5.1 | December |
| | | | | | 1990 |
| 5,391 | 4,979 | 412 | 7.6 | 5.9 | January |
| 5,344 | 4,998 | 346 | 6.5 | 5.8 | February |
| 5,353 | 5,035 | 318 | 5.9 | 5.4 | March |
| 5,373 | 5,071 | 302 | 5.6 | 5.2 | April |
| 5,409 | 5,104 | 305 | 5.6 | 5.1 | May |

## Ohio Nonagricultural Wage and Salary Employment
(in thousands)

| Nonagricultural Employment | | | | | |
|---|---|---|---|---|---|
| | Goods-Producing Employment | | | | |
| Total | Total | Mining | Construction | Manufacturing | |
| 4,484.8 | 1,596.8 | 31.6 | 182.9 | 1,382.3 | 1979 |
| 4,367.4 | 1,462.5 | 30.7 | 167.4 | 1,264.3 | 1980 |
| 4,317.7 | 1,417.0 | 30.7 | 153.7 | 1,232.6 | 1981 |
| 4,124.3 | 1,264.8 | 30.3 | 134.6 | 1,099.9 | 1982 |
| 4,092.5 | 1,223.4 | 26.6 | 130.8 | 1,066.0 | 1983 |
| 4,260.2 | 1,299.7 | 27.8 | 144.8 | 1,127.0 | 1984 |
| 4,372.9 | 1,304.3 | 26.1 | 154.0 | 1,124.2 | 1985 |
| 4,471.4 | 1,293.1 | 22.6 | 160.7 | 1,109.8 | 1986 |
| 4,582.6 | 1,296.2 | 20.9 | 176.4 | 1,098.9 | 1987 |
| 4,700.6 | 1,315.1 | 18.9 | 185.6 | 1,110.6 | 1988 |
| 4,817.2 | 1,333.9 | 17.8 | 193.1 | 1,123.0 | 1989 |
| | | | | | 1989 |
| 4,827.0 | 1,333.3 | 17.8 | 191.3 | 1,124.2 | May |
| 4,858.3 | 1,351.4 | 18.1 | 201.8 | 1,131.5 | June |
| 4,815.3 | 1,343.2 | 15.4 | 209.6 | 1,118.2 | July |
| 4,830.3 | 1,358.7 | 18.5 | 212.3 | 1,128.0 | August |
| 4,877.8 | 1,361.7 | 18.5 | 211.8 | 1,131.4 | September |
| 4,885.7 | 1,347.1 | 18.6 | 212.3 | 1,116.3 | October |
| 4,900.8 | 1,346.8 | 18.3 | 205.5 | 1,123.0 | November |
| 4,909.6 | 1,335.6 | 18.1 | 195.8 | 1,121.7 | December |
| | | | | | 1990 |
| 4,752.1 | 1,275.5 | 17.6 | 170.6 | 1,087.3 | January |
| 4,790.2 | 1,297.3 | 17.3 | 166.2 | 1,113.8 | February |
| 4,834.5 | 1,307.0 | 17.5 | 174.7 | 1,114.8 | March |
| 4,889.3 | 1,324.4 | 17.7 | 188.3 | 1,118.4 | April |
| 4,942.4 | 1,338.9 | 18.0 | 199.9 | 1,121.1 | May |

## Service-Producing Employment
(in thousands)

| Total | Transportation & Public Utilities | | Wholesale Trade | Retail Trade | Finance, Insurance, & Real Estate | | Services | Government |
|---|---|---|---|---|---|---|---|---|
| 2,888.0 | 232.1 | 1979 | 234.0 | 741.2 | 200.6 | 1979 | 806.2 | 674.0 |
| 2,904.9 | 223.1 | 1980 | 231.7 | 725.5 | 203.8 | 1980 | 830.9 | 689.9 |
| 2,900.7 | 217.2 | 1981 | 233.6 | 716.5 | 205.8 | 1981 | 851.6 | 676.0 |
| 2,859.5 | 206.8 | 1982 | 227.1 | 702.3 | 206.4 | 1982 | 857.3 | 659.6 |
| 2,869.2 | 198.5 | 1983 | 223.6 | 709.9 | 207.8 | 1983 | 873.3 | 656.1 |
| 2,960.5 | 203.9 | 1984 | 237.9 | 746.8 | 211.5 | 1984 | 905.2 | 655.2 |
| 3,068.5 | 202.7 | 1985 | 245.1 | 786.5 | 219.3 | 1985 | 949.5 | 665.2 |
| 3,178.4 | 203.4 | 1986 | 245.7 | 817.1 | 232.3 | 1986 | 1,001.0 | 678.9 |
| 3,286.4 | 207.8 | 1987 | 249.4 | 846.9 | 243.8 | 1987 | 1,051.2 | 687.3 |
| 3,385.5 | 212.1 | 1988 | 256.4 | 877.4 | 249.0 | 1988 | 1,096.8 | 693.8 |
| 3,483.3 | 215.9 | 1989 | 264.0 | 904.2 | 252.6 | 1989 | 1,140.8 | 705.7 |
| | | 1989 | | | | 1989 | | |
| 3,493.6 | 215.1 | May | 262.4 | 899.5 | 251.2 | May | 1,142.5 | 723.0 |
| 3,506.9 | 217.4 | June | 265.2 | 909.2 | 254.2 | June | 1,157.8 | 703.2 |
| 3,472.1 | 217.5 | July | 265.8 | 910.3 | 255.9 | July | 1,158.8 | 663.8 |
| 3,471.5 | 218.5 | August | 265.7 | 915.4 | 256.1 | August | 1,160.0 | 655.8 |
| 3,516.0 | 219.0 | September | 266.0 | 916.8 | 254.9 | September | 1,165.8 | 693.6 |
| 3,538.6 | 219.4 | October | 268.0 | 919.7 | 254.1 | October | 1,156.2 | 721.2 |
| 3,554.0 | 219.4 | November | 268.5 | 933.3 | 254.3 | November | 1,152.0 | 726.5 |
| 3,574.0 | 220.4 | December | 269.6 | 949.1 | 254.7 | December | 1,150.5 | 729.7 |
| | | 1990 | | | | 1990 | | |
| 3,476.5 | 213.7 | January | 266.4 | 905.9 | 253.6 | January | 1,122.6 | 714.2 |
| 3,492.9 | 213.7 | February | 266.2 | 897.5 | 253.8 | February | 1,133.2 | 728.6 |
| 3,527.5 | 215.0 | March | 267.7 | 906.6 | 255.0 | March | 1,147.7 | 735.5 |
| 3,564.8 | 216.5 | April | 269.5 | 922.0 | 255.5 | April | 1,167.6 | 733.7 |
| 3,603.4 | 218.5 | May | 271.5 | 936.2 | 257.0 | May | 1,180.4 | 739.8 |

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

# Manufacturing Employment, Hours, and Earnings[a]

Not Seasonally Adjusted

| Manufacturing Employment | | | | Production Workers in Manufacturing | | |
|---|---|---|---|---|---|---|
| Total (thousands) | Durable Goods (thousands) | Nondurable Goods (thousands) | | Production Workers (thousands) | Aggregate Weekly Payroll (millions) | Aggregate Weekly Hours (millions) |
| 1,382.3 | 978.1 | 404.2 | 1979 | 979.0 | $318.5 | 40.6 |
| 1,264.3 | 880.3 | 384.1 | 1980 | 867.8 | 301.9 | 35.2 |
| 1,232.6 | 858.2 | 374.4 | 1981 | 847.7 | 330.4 | 34.7 |
| 1,099.9 | 750.5 | 349.4 | 1982 | 735.7 | 297.1 | 29.5 |
| 1,066.0 | 721.9 | 344.1 | 1983 | 721.6 | 315.5 | 29.9 |
| 1,127.0 | 771.7 | 355.4 | 1984 | 781.5 | 362.3 | 33.1 |
| 1,124.2 | 767.0 | 357.3 | 1985 | 773.4 | 369.7 | 32.5 |
| 1,109.8 | 751.0 | 358.8 | 1986 | 758.5 | 369.1 | 31.9 |
| 1,098.9 | 738.9 | 360.0 | 1987 | 751.4 | 375.5 | 32.0 |
| 1,110.6 | 747.3 | 363.4 | 1988 | 762.3 | 393.0 | 32.8 |
| 1,123.0 | 753.2 | 369.8 | 1989 | 770.6 | 403.4 | 32.9 |
| | | | 1989 | | | |
| 1,124.2 | 756.5 | 367.7 | May | 771.7 | 403.0 | 33.0 |
| 1,131.5 | 759.8 | 371.7 | June | 776.5 | 409.1 | 33.3 |
| 1,118.2 | 748.2 | 370.0 | July | 767.2 | 390.9 | 32.1 |
| 1,128.0 | 754.9 | 373.1 | August | 774.0 | 398.2 | 32.6 |
| 1,131.4 | 755.5 | 375.9 | September | 776.2 | 408.6 | 33.1 |
| 1,116.3 | 742.1 | 374.2 | October | 765.6 | 398.9 | 32.5 |
| 1,123.0 | 749.5 | 373.5 | November | 770.4 | 405.9 | 32.9 |
| 1,121.7 | 750.0 | 371.7 | December | 769.6 | 405.9 | 32.8 |
| | | | 1990 | | | |
| 1,087.3 | 719.3 | 368.0 | January | 735.8 | 376.7 | 30.9 |
| 1,113.8 | 745.8 | 368.0 | February | 761.0 | 394.7 | 31.9 |
| 1,114.8 | 746.1 | 368.7 | March | 761.9 | 403.1 | 32.2 |
| 1,118.4 | 748.5 | 369.9 | April | 765.2 | 395.7 | 31.8 |
| 1,121.1 | 749.6 | 371.5 | May | 766.8 | 414.8 | 32.8 |

| Production Worker Average Weekly Earnings | | | | Production Worker Average Weekly Hours | | | | Production Worker Average Hourly Earnings | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Manufacturing | Durable Goods | Nondurable Goods | | Manufacturing | Durable Goods | Nondurable Goods | | Manufacturing | Durable Goods | Nondurable Goods | |
| $325.36 | $335.30 | $297.78 | 1979 | 41.5 | 41.6 | 41.1 | 1979 | $7.84 | $8.06 | $7.25 | 1979 |
| 347.94 | 358.57 | 319.99 | 1980 | 40.6 | 40.7 | 40.2 | 1980 | 8.57 | 8.81 | 7.96 | 1980 |
| 389.78 | 401.64 | 358.16 | 1981 | 40.9 | 40.9 | 40.7 | 1981 | 9.53 | 9.82 | 8.80 | 1981 |
| 403.81 | 414.80 | 378.95 | 1982 | 40.1 | 40.0 | 40.4 | 1982 | 10.07 | 10.37 | 9.38 | 1982 |
| 437.18 | 452.35 | 402.52 | 1983 | 41.4 | 41.5 | 41.2 | 1983 | 10.56 | 10.90 | 9.77 | 1983 |
| 463.61 | 482.38 | 417.83 | 1984 | 42.3 | 42.5 | 41.7 | 1984 | 10.96 | 11.35 | 10.02 | 1984 |
| 477.96 | 499.56 | 425.80 | 1985 | 42.0 | 42.3 | 41.3 | 1985 | 11.38 | 11.81 | 10.31 | 1985 |
| 486.68 | 507.95 | 439.71 | 1986 | 42.1 | 42.4 | 41.6 | 1986 | 11.56 | 11.98 | 10.57 | 1986 |
| 499.70 | 519.52 | 455.03 | 1987 | 42.6 | 42.9 | 41.9 | 1987 | 11.73 | 12.11 | 10.86 | 1987 |
| 515.57 | 538.16 | 466.31 | 1988 | 43.0 | 43.4 | 42.2 | 1988 | 11.99 | 12.40 | 11.05 | 1988 |
| 523.50 | 542.23 | 478.19 | 1989 | 42.7 | 43.0 | 41.8 | 1989 | 12.26 | 12.61 | 11.44 | 1989 |
| | | | 1989 | | | | 1989 | | | | |
| 522.22 | 543.02 | 473.10 | May | 42.7 | 43.2 | 41.5 | May | 12.23 | 12.57 | 11.40 | May |
| 526.81 | 546.88 | 481.74 | June | 42.9 | 43.3 | 42.0 | June | 12.28 | 12.63 | 11.47 | June |
| 509.50 | 526.23 | 474.44 | July | 41.9 | 42.2 | 41.4 | July | 12.16 | 12.47 | 11.46 | July |
| 514.46 | 530.02 | 478.40 | August | 42.1 | 42.3 | 41.6 | August | 12.22 | 12.53 | 11.50 | August |
| 526.49 | 545.67 | 484.15 | September | 42.7 | 43.0 | 42.1 | September | 12.33 | 12.69 | 11.50 | September |
| 521.10 | 539.30 | 482.69 | October | 42.4 | 42.7 | 41.9 | October | 12.29 | 12.63 | 11.52 | October |
| 526.92 | 545.24 | 484.68 | November | 42.7 | 43.0 | 42.0 | November | 12.34 | 12.68 | 11.54 | November |
| 527.39 | 546.12 | 485.62 | December | 42.6 | 42.9 | 41.9 | December | 12.38 | 12.73 | 11.59 | December |
| | | | 1990 | | | | 1990 | | | | |
| 511.98 | 524.15 | 485.72 | January | 42.0 | 42.1 | 41.8 | January | 12.19 | 12.45 | 11.62 | January |
| 518.72 | 536.36 | 478.67 | February | 41.9 | 42.2 | 41.3 | February | 12.38 | 12.71 | 11.59 | February |
| 529.17 | 548.26 | 483.89 | March | 42.3 | 42.6 | 41.5 | March | 12.51 | 12.87 | 11.66 | March |
| 517.09 | 534.18 | 478.06 | April | 41.5 | 41.7 | 41.0 | April | 12.46 | 12.81 | 11.66 | April |
| 540.99 | 561.59 | 495.10 | May | 42.8 | 43.1 | 42.1 | May | 12.64 | 13.03 | 11.76 | May |

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

# Employment and Average Weekly Earnings in Selected Major Manufacturing Industries[a]

Not Seasonally Adjusted

## Employment
(thousands)

| Stone, Clay, and Glass Products | Primary Metal Industries | Fabricated Metal Products | | Industrial Machinery and Equipment | Electronic and Other Electric Equipment | Transportation Equipment | | Food and Kindred Products | Printing and Publishing | Rubber and Miscellaneous Plastics Products |
|---|---|---|---|---|---|---|---|---|---|---|
| 67.0 | 158.9 | 175.3 | 1979 | 232.1 | 106.8 | 165.3 | 1979 | 74.4 | 67.6 | 109.3 |
| 62.0 | 139.8 | 157.5 | 1980 | 219.2 | 96.5 | 138.6 | 1980 | 72.7 | 67.4 | 95.1 |
| 58.6 | 138.3 | 154.8 | 1981 | 211.8 | 92.3 | 136.4 | 1981 | 69.2 | 66.1 | 91.4 |
| 52.1 | 112.7 | 134.9 | 1982 | 183.4 | 84.7 | 121.1 | 1982 | 66.9 | 63.2 | 82.4 |
| 50.2 | 104.1 | 129.8 | 1983 | 160.1 | 81.7 | 131.6 | 1983 | 63.4 | 62.8 | 84.5 |
| 50.5 | 108.9 | 138.8 | 1984 | 173.1 | 85.4 | 144.4 | 1984 | 62.8 | 65.1 | 92.7 |
| 48.5 | 101.8 | 139.7 | 1985 | 171.7 | 83.2 | 150.6 | 1985 | 62.9 | 66.8 | 93.3 |
| 47.5 | 95.4 | 136.8 | 1986 | 163.9 | 82.0 | 153.2 | 1986 | 63.0 | 68.4 | 94.5 |
| 46.5 | 95.8 | 132.9 | 1987 | 160.3 | 79.9 | 148.8 | 1987 | 63.1 | 70.5 | 93.6 |
| 46.0 | 100.8 | 135.2 | 1988 | 163.9 | 80.0 | 142.8 | 1988 | 62.5 | 72.5 | 93.4 |
| 45.7 | 102.2 | 136.3 | 1989 | 167.6 | 79.5 | 141.8 | 1989 | 63.2 | 73.9 | 96.4 |
| | | | 1989 | | | | 1989 | | | |
| 45.7 | 103.3 | 136.8 | May | 167.8 | 78.9 | 144.9 | May | 62.4 | 73.5 | 96.1 |
| 46.4 | 103.1 | 136.8 | June | 169.2 | 79.6 | 144.7 | June | 63.5 | 74.1 | 97.1 |
| 46.1 | 101.0 | 134.9 | July | 168.8 | 79.2 | 137.7 | July | 63.2 | 74.0 | 95.4 |
| 46.5 | 102.4 | 135.0 | August | 168.0 | 79.3 | 142.4 | August | 64.4 | 74.2 | 96.8 |
| 46.3 | 102.8 | 137.1 | September | 167.9 | 80.2 | 139.8 | September | 66.7 | 74.6 | 97.4 |
| 45.9 | 100.3 | 135.3 | October | 163.6 | 79.4 | 136.4 | October | 64.9 | 74.8 | 97.6 |
| 45.9 | 100.8 | 136.2 | November | 167.1 | 79.6 | 139.0 | November | 63.8 | 75.0 | 97.6 |
| 45.3 | 100.6 | 136.0 | December | 168.0 | 79.0 | 140.8 | December | 63.4 | 75.0 | 96.7 |
| | | | 1990 | | | | 1990 | | | |
| 44.2 | 98.8 | 130.5 | January | 167.6 | 78.4 | 120.6 | January | 63.3 | 74.6 | 94.7 |
| 44.3 | 100.7 | 134.2 | February | 167.2 | 78.5 | 142.1 | February | 62.5 | 74.8 | 94.9 |
| 45.0 | 100.9 | 134.1 | March | 167.0 | 78.3 | 141.6 | March | 62.2 | 74.7 | 95.5 |
| 45.6 | 100.8 | 134.9 | April | 166.6 | 78.3 | 142.4 | April | 62.5 | 74.8 | 96.2 |
| 45.9 | 101.3 | 135.6 | May | 167.0 | 77.7 | 141.9 | May | 62.5 | 75.4 | 96.9 |

## Average Weekly Earnings of Production Workers

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| $293.34 | $395.43 | $323.38 | 1979 | $329.09 | $289.27 | $391.56 | 1979 | $304.50 | $302.62 | $300.66 |
| 315.43 | 422.01 | 349.34 | 1980 | 352.77 | 316.31 | 414.83 | 1980 | 329.85 | 320.92 | 323.61 |
| 348.02 | 484.04 | 389.61 | 1981 | 389.16 | 350.27 | 471.50 | 1981 | 362.75 | 347.70 | 368.67 |
| 376.88 | 480.54 | 398.77 | 1982 | 392.63 | 366.56 | 506.99 | 1982 | 386.04 | 358.45 | 381.11 |
| 400.57 | 503.85 | 460.65 | 1983 | 424.09 | 394.63 | 557.92 | 1983 | 403.79 | 375.62 | 412.25 |
| 419.15 | 537.21 | 475.30 | 1984 | 467.61 | 420.65 | 603.46 | 1984 | 419.19 | 386.30 | 419.99 |
| 434.30 | 548.83 | 492.15 | 1985 | 475.58 | 433.30 | 635.26 | 1985 | 413.25 | 395.14 | 429.17 |
| 443.81 | 559.93 | 494.91 | 1986 | 485.18 | 459.80 | 632.06 | 1986 | 416.83 | 410.70 | 438.96 |
| 449.82 | 602.53 | 500.12 | 1987 | 502.36 | 463.01 | 638.13 | 1987 | 440.34 | 429.00 | 441.34 |
| 470.37 | 626.44 | 513.17 | 1988 | 526.24 | 466.07 | 673.91 | 1988 | 446.04 | 445.22 | 446.95 |
| 478.67 | 619.61 | 508.09 | 1989 | 534.10 | 459.95 | 704.48 | 1989 | 458.39 | 457.81 | 446.05 |
| | | | 1989 | | | | 1989 | | | |
| 473.45 | 620.64 | 514.61 | May | 537.34 | 457.19 | 692.19 | May | 454.69 | 446.18 | 450.71 |
| 479.52 | 632.19 | 505.91 | June | 535.67 | 455.67 | 713.25 | June | 468.26 | 447.70 | 459.67 |
| 477.28 | 607.26 | 498.42 | July | 515.10 | 445.21 | 676.67 | July | 462.42 | 449.26 | 445.82 |
| 480.22 | 613.02 | 490.28 | August | 515.95 | 457.73 | 682.78 | August | 468.42 | 448.14 | 444.56 |
| 476.43 | 628.97 | 523.13 | September | 528.04 | 458.97 | 720.50 | September | 458.05 | 468.00 | 451.78 |
| 490.05 | 610.42 | 507.78 | October | 528.90 | 460.37 | 711.67 | October | 457.03 | 467.63 | 440.15 |
| 488.91 | 616.07 | 512.68 | November | 534.69 | 462.31 | 720.72 | November | 467.58 | 478.67 | 440.35 |
| 471.10 | 618.02 | 502.80 | December | 538.46 | 462.44 | 717.05 | December | 473.18 | 482.26 | 433.54 |
| | | | 1990 | | | | 1990 | | | |
| 473.59 | 605.12 | 489.82 | January | 520.15 | 459.26 | 670.64 | January | 476.57 | 470.00 | 442.21 |
| 476.86 | 601.51 | 505.44 | February | 532.16 | 464.80 | 683.12 | February | 454.40 | 471.22 | 442.90 |
| 484.79 | 618.62 | 512.36 | March | 535.62 | 457.97 | 718.39 | March | 458.27 | 472.42 | 446.13 |
| 494.79 | 636.41 | 493.61 | April | 509.60 | 437.80 | 691.32 | April | 445.61 | 458.25 | 434.42 |
| 502.99 | 657.79 | 524.78 | May | 548.05 | 457.06 | 726.61 | May | 468.71 | 467.67 | 461.00 |

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

## Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio

| | Employment (in thousands) | | | Change[d] (in thousands) | |
|---|---|---|---|---|---|
| | May 1990[b] | Apr. 1990[c] | May 1989[c] | From Last Month | From Last Year |
| **Total** | 4942.4 | 4889.3 | 4827.0 | 53.1 | 115.4 |
| **Goods-Producing Industries** | 1338.9 | 1324.4 | 1333.3 | 14.5 | 5.6 |
| Mining | 18.0 | 17.7 | 17.8 | .3 | .2 |
| Coal Mining | 7.5 | 7.5 | 7.5 | .0 | .1 |
| Oil and Gas Extraction | 5.4 | 5.4 | 5.4 | .0 | .0 |
| Construction | 199.9 | 188.3 | 191.3 | 11.5 | 8.6 |
| General Building Contractors | 47.1 | 45.5 | 45.7 | 1.6 | 1.4 |
| Nonresidential Building Construction | 23.4 | 22.7 | 23.6 | .7 | -.3 |
| Heavy Construction, Except Building | 23.8 | 21.0 | 23.8 | 2.9 | .1 |
| Highway and Street Construction | 8.4 | 6.7 | 8.6 | 1.7 | -.2 |
| Special Trade Contractors | 129.0 | 121.9 | 121.8 | 7.1 | 7.1 |
| Manufacturing | 1121.1 | 1118.4 | 1124.2 | 2.7 | -3.2 |
| Durable Goods[f] | 749.6 | 748.5 | 756.5 | 1.1 | -6.9 |
| Lumber and Wood Products | 23.5 | 23.0 | 22.1 | .5 | 1.4 |
| Millwork, Plywood and Structural Members | 10.7 | 10.3 | 10.0 | .4 | .7 |
| Furniture and Fixtures | 15.3 | 15.5 | 15.2 | -.2 | .1 |
| Stone, Clay, and Glass Products | 45.9 | 45.6 | 45.7 | .3 | .2 |
| Primary Metal Industries | 101.3 | 100.8 | 103.3 | .5 | -2.0 |
| Blast Furnace and Basic Steel Products | 46.9 | 47.2 | 46.8 | -.2 | .1 |
| Iron and Steel Foundries | 19.7 | 19.2 | 20.9 | .5 | -1.2 |
| Nonferrous Rolling and Drawing | 16.7 | 16.5 | 17.4 | .2 | -.7 |
| Nonferrous Foundries | 10.8 | 10.9 | 10.8 | -.1 | .0 |
| Fabricated Metal Products | 135.6 | 134.9 | 136.8 | .7 | -1.3 |
| Fabricated Structural Metal Products | 30.0 | 30.1 | 30.1 | -.2 | -.2 |
| Metal Forgings and Stampings | 38.9 | 38.5 | 40.0 | .4 | -1.1 |
| Industrial Machinery and Equipment | 167.0 | 166.6 | 167.8 | .4 | -.8 |
| Construction and Related Machinery | 14.3 | 14.4 | 14.1 | -.1 | .3 |
| Metalworking Machinery | 47.0 | 47.1 | 47.8 | .0 | -.7 |
| Special Industry Machinery | 17.5 | 17.4 | 17.0 | .1 | .5 |
| General Industrial Machinery | 25.9 | 25.8 | 26.3 | .1 | -.4 |
| Computer and Office Equipment | 11.2 | 11.2 | 11.3 | .0 | -.1 |
| Refrigeration and Service Machinery | 15.7 | 15.3 | 16.5 | .4 | -.8 |
| Electronic and Other Electric Equipment | 77.7 | 78.3 | 78.9 | -.5 | -1.2 |
| Electrical Industrial Apparatus | 12.1 | 12.3 | 12.6 | -.2 | -.5 |
| Household Appliances | 15.6 | 15.8 | 14.9 | -.2 | .7 |
| Electric Lighting and Wiring Equipment | 16.4 | 16.4 | 16.6 | .0 | -.3 |
| Electronic Components and Accessories | 11.5 | 11.4 | 11.3 | .1 | .2 |
| Transportation Equipment | 141.9 | 142.4 | 144.9 | -.5 | -3.0 |
| Motor Vehicles and Equipment | 96.2 | 96.7 | 99.7 | -.5 | -3.5 |
| Aircraft and Parts | 36.8 | 36.8 | 36.2 | .0 | .6 |
| Instruments and Related Products | 26.2 | 26.3 | 26.7 | -.1 | -.5 |
| Measuring and Controlling Devices | 16.0 | 16.0 | 16.2 | .0 | -.2 |
| Nondurable Goods[g] | 371.5 | 369.9 | 367.7 | 1.6 | 3.8 |
| Food and Kindred Products | 62.5 | 62.5 | 62.4 | .0 | .1 |
| Dairy Products | 10.6 | 10.4 | 10.2 | .2 | .4 |
| Preserved Fruits and Vegetables | 10.4 | 10.5 | 10.6 | -.1 | -.2 |
| Bakery Products | 9.5 | 9.7 | 9.5 | -.2 | -.1 |
| Apparel and Other Textile Products | 15.2 | 14.9 | 15.3 | .3 | -.2 |
| Paper and Allied Products | 37.4 | 37.8 | 37.4 | -.3 | .1 |
| Paperboard Containers and Boxes | 13.7 | 13.8 | 13.4 | -.1 | .3 |
| Miscellaneous Converted Paper Products | 12.2 | 12.3 | 12.1 | -.1 | .1 |
| Printing and Publishing | 75.4 | 74.8 | 73.5 | .6 | 1.9 |
| Newspapers | 19.2 | 19.1 | 18.6 | .1 | .6 |
| Commercial Printing | 27.7 | 27.5 | 27.1 | .1 | .6 |
| Chemicals and Allied Products | 65.9 | 65.7 | 64.9 | .3 | 1.0 |
| Plastics Materials and Synthetics | 9.8 | 9.8 | 9.6 | .0 | .2 |
| Rubber and Miscellaneous Plastics Products | 96.9 | 96.2 | 96.1 | .7 | .8 |
| Tires and Inner Tubes | 15.9 | 15.9 | 15.6 | .1 | .4 |
| Miscellaneous Plastics Products | 58.6 | 58.1 | 57.7 | .5 | .9 |
| **Service-Producing Industries** | 3603.4 | 3564.8 | 3493.6 | 38.6 | 109.8 |
| Transportation and Public Utilities | 218.5 | 216.5 | 215.1 | 2.0 | 3.4 |
| Transportation | 128.7 | 126.7 | 124.8 | 2.1 | 4.0 |
| Railroad Transportation | 12.3 | 12.1 | 13.2 | .2 | -.9 |
| Trucking and Warehousing | 76.7 | 75.6 | 74.7 | 1.1 | 2.0 |
| Transportation by Air | 14.1 | 14.0 | 12.9 | .0 | 1.2 |
| Communications, Electric, Gas Services | 89.8 | 89.9 | 90.3 | -.1 | -.6 |
| Communications | 46.5 | 46.6 | 47.6 | -.1 | -1.1 |
| Electric, Gas, and Sanitary Services | 43.3 | 43.3 | 42.7 | .1 | .6 |

See footnotes on page 13.

## Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio (continued)

| | Employment (in thousands) | | | Change[d] (in thousands) | |
|---|---|---|---|---|---|
| | May 1990[b] | Apr. 1990[c] | May 1989[c] | From Last Month | From Last Year |
| Wholesale Trade | 271.5 | 269.5 | 262.4 | 2.0 | 9.2 |
| Wholesale Trade-Durable Goods | 171.9 | 170.7 | 166.6 | 1.2 | 5.3 |
| Motor Vehicles, Parts, and Supplies | 23.0 | 22.8 | 22.9 | .2 | .2 |
| Professional and Commercial Equipment | 33.0 | 33.0 | 31.9 | .0 | 1.0 |
| Metals and Minerals, Except Petroleum | 11.4 | 11.3 | 11.1 | .0 | .2 |
| Electrical Goods | 18.7 | 18.7 | 18.3 | .1 | .5 |
| Hardware, Plumbing and Heating Equipment | 13.0 | 12.9 | 12.6 | .1 | .4 |
| Machinery, Equipment, and Supplies | 43.0 | 42.9 | 41.4 | .2 | 1.6 |
| Wholesale Trade-Nondurable Goods | 99.7 | 98.8 | 95.8 | .9 | 3.9 |
| Groceries and Related Products | 32.8 | 32.5 | 31.4 | .2 | 1.4 |
| Retail Trade | 936.2 | 922.0 | 899.5 | 14.2 | 36.7 |
| Building Materials and Garden Supplies | 37.8 | 36.4 | 36.2 | 1.4 | 1.7 |
| Lumber and Other Building Materials | 18.5 | 17.9 | 17.8 | .6 | .7 |
| General Merchandise Stores | 124.3 | 123.8 | 121.8 | .5 | 2.4 |
| Department Stores | 101.0 | 100.8 | 98.7 | .2 | 2.3 |
| Variety Stores | 13.6 | 13.5 | 13.3 | .1 | .3 |
| Food Stores | 143.2 | 142.1 | 138.8 | 1.1 | 4.4 |
| Grocery Stores | 126.6 | 125.8 | 122.7 | .8 | 3.9 |
| Automotive Dealers and Service Stations | 102.6 | 101.7 | 99.0 | 1.0 | 3.7 |
| New and Used Car Dealers | 45.1 | 44.9 | 43.7 | .2 | 1.4 |
| Gasoline Service Stations | 35.8 | 35.4 | 33.7 | .4 | 2.1 |
| Apparel and Accessory Stores | 51.0 | 50.4 | 46.9 | .6 | 4.1 |
| Furniture and Homefurnishings Stores | 33.0 | 32.9 | 31.1 | .1 | 1.9 |
| Eating and Drinking Places | 323.3 | 314.8 | 314.0 | 8.5 | 9.3 |
| Miscellaneous Retail | 121.0 | 120.0 | 111.8 | 1.1 | 9.3 |
| Drug Stores and Proprietary Stores | 32.4 | 32.2 | 30.2 | .3 | 2.2 |
| Nonstore Retailers | 22.8 | 22.9 | 20.8 | -.1 | 2.0 |
| Finance, Insurance, and Real Estate | 257.0 | 255.5 | 251.2 | 1.5 | 5.8 |
| Finance | 120.4 | 120.2 | 119.1 | .3 | 1.3 |
| Depository Institutions | 90.6 | 90.5 | 90.1 | .1 | .4 |
| Commercial Banks | 63.9 | 63.9 | 63.0 | .1 | 1.0 |
| Insurance | 92.6 | 92.5 | 90.3 | .1 | 2.3 |
| Insurance Carriers | 70.8 | 70.7 | 69.3 | .1 | 1.5 |
| Life Insurance | 25.8 | 25.9 | 25.8 | -.1 | .0 |
| Fire, Marine, and Casualty Insurance | 31.7 | 31.6 | 30.2 | .1 | 1.5 |
| Real Estate | 43.9 | 42.8 | 41.8 | 1.1 | 2.2 |
| Services | 1180.4 | 1167.6 | 1142.5 | 12.8 | 37.9 |
| Hotels and Other Lodging Places | 39.1 | 37.7 | 38.4 | 1.4 | .7 |
| Personal Services | 54.1 | 56.5 | 52.4 | -2.4 | 1.7 |
| Business Services | 213.5 | 210.9 | 200.9 | 2.6 | 12.6 |
| Services to Buildings | 33.4 | 33.1 | 32.0 | .3 | 1.4 |
| Personnel Supply Services | 73.6 | 72.0 | 69.4 | 1.6 | 4.2 |
| Computer and Data Processing Services | 27.3 | 27.2 | 25.0 | .1 | 2.3 |
| Amusements, Including Motion Pictures | 62.8 | 53.6 | 63.8 | 9.1 | -1.0 |
| Health Services | 393.7 | 392.1 | 381.4 | 1.7 | 12.4 |
| Nursing and Personal Care Facilities | 85.7 | 85.3 | 82.6 | .4 | 3.2 |
| Hospitals | 190.4 | 189.9 | 186.0 | .5 | 4.4 |
| Legal Services | 29.8 | 29.5 | 28.1 | .3 | 1.7 |
| Educational Services | 60.6 | 64.1 | 62.7 | -3.5 | -2.1 |
| Colleges and Universities | 32.3 | 36.0 | 34.8 | -3.7 | -2.4 |
| Social Services | 74.5 | 74.2 | 71.9 | .3 | 2.6 |
| Residential Care | 23.0 | 22.8 | 21.8 | .2 | 1.2 |
| Membership Organizations | 80.6 | 80.0 | 78.2 | .6 | 2.4 |
| Engineering and Management Services | 86.6 | 86.6 | 84.4 | .0 | 2.2 |
| Engineering and Architectural Services | 26.7 | 26.4 | 25.8 | .3 | .9 |
| Accounting, Auditing, and Bookkeeping | 21.4 | 21.8 | 20.8 | -.5 | .5 |
| Research and Testing Services | 19.1 | 18.9 | 18.6 | .2 | .5 |
| Management and Public Relations | 19.5 | 19.5 | 19.2 | .0 | .3 |
| Government | 739.8 | 733.7 | 723.0 | 6.1 | 16.8 |
| Federal Government | 100.2 | 99.0 | 97.0 | 1.2 | 3.2 |
| U.S. Postal Service | 33.9 | 33.9 | 34.8 | .0 | -.9 |
| State Government | 168.7 | 169.3 | 164.3 | -.6 | 4.3 |
| State Government Hospitals | 16.0 | 15.0 | 15.6 | .1 | .4 |
| State Government Education[h] | 91.1 | 91.8 | 88.9 | -.7 | 2.2 |
| Local Government | 470.9 | 465.4 | 461.7 | 5.5 | 9.2 |
| Local Government Hospitals | 14.8 | 14.8 | 14.4 | .0 | .4 |
| Local Government Education | 279.6 | 277.0 | 274.9 | 2.6 | 4.7 |

See footnotes on page 13.

## Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Ohio

| | Average Weekly Earnings | | | Average Weekly Hours | | | Average Hourly Earnings | | |
|---|---|---|---|---|---|---|---|---|---|
| | May 1990[b] | Apr. 1990[c] | May 1989[c] | May 1990[b] | Apr. 1990[c] | May 1989[c] | May 1990[b] | Apr. 1990[c] | May 1989[c] |
| **Goods-Producing Industries** | $555.40 | $528.02 | $520.40 | 42.3 | 40.9 | 41.4 | $13.13 | $12.91 | $12.57 |
| Mining | 634.44 | 615.56 | 582.12 | 44.9 | 44.0 | 44.1 | 14.13 | 13.99 | 13.20 |
| Coal Mining | 753.67 | 756.50 | 707.85 | 44.1 | 44.5 | 42.9 | 17.09 | 17.00 | 16.50 |
| Construction | 628.04 | 586.66 | 587.90 | 39.8 | 37.8 | 38.5 | 15.78 | 15.52 | 15.27 |
| General Building Contractors | 565.54 | 527.10 | 530.01 | 41.1 | 38.9 | 39.0 | 13.76 | 13.55 | 13.59 |
| Heavy Construction, Except Building | 657.31 | 560.16 | 675.95 | 40.6 | 36.0 | 40.5 | 16.19 | 15.56 | 16.69 |
| Special Trade Contractors | 641.38 | 608.48 | 589.72 | 39.3 | 37.7 | 37.9 | 16.32 | 16.14 | 15.56 |
| Manufacturing | 540.99 | 517.09 | 522.22 | 42.8 | 41.5 | 42.7 | 12.64 | 12.46 | 12.23 |
| Durable Goods[f] | 561.59 | 534.18 | 543.02 | 43.1 | 41.7 | 43.2 | 13.03 | 12.81 | 12.57 |
| Lumber and Wood Products | 314.06 | 311.33 | 337.02 | 38.3 | 38.2 | 41.2 | 8.20 | 8.15 | 8.18 |
| Millwork, Plywood and Structural Members | 354.78 | 359.86 | 350.27 | 40.5 | 40.8 | 41.6 | 8.76 | 8.82 | 8.42 |
| Furniture and Fixtures | 384.09 | 364.69 | 387.07 | 41.3 | 39.9 | 41.8 | 9.30 | 9.14 | 9.26 |
| Stone, Clay, and Glass Products | 502.99 | 494.79 | 473.45 | 43.7 | 43.1 | 42.5 | 11.51 | 11.48 | 11.14 |
| Primary Metal Industries | 657.79 | 636.41 | 620.64 | 44.9 | 43.8 | 44.3 | 14.65 | 14.53 | 14.01 |
| Blast Furnace and Basic Steel Products | 663.75 | 651.84 | 634.48 | 45.4 | 44.8 | 44.4 | 14.62 | 14.55 | 14.29 |
| Iron and Steel Foundries | 720.94 | 701.63 | 662.52 | 45.2 | 44.1 | 45.1 | 15.95 | 15.91 | 14.69 |
| Nonferrous Rolling and Drawing | 702.35 | 661.99 | 645.24 | 42.8 | 41.4 | 42.2 | 16.41 | 15.99 | 15.29 |
| Nonferrous Foundries | 487.88 | 443.52 | 472.19 | 45.3 | 42.2 | 44.8 | 10.77 | 10.51 | 10.54 |
| Fabricated Metal Products | 524.78 | 493.61 | 514.61 | 42.7 | 41.1 | 42.6 | 12.29 | 12.01 | 12.08 |
| Fabricated Structural Metal Products | 492.59 | 453.47 | 447.95 | 43.4 | 41.3 | 41.4 | 11.35 | 10.98 | 10.82 |
| Metal Forgings and Stampings | 647.90 | 603.39 | 647.97 | 43.6 | 41.3 | 44.2 | 14.86 | 14.61 | 14.66 |
| Industrial Machinery and Equipment | 548.05 | 509.60 | 537.34 | 43.6 | 41.6 | 43.9 | 12.57 | 12.25 | 12.24 |
| Construction and Related Machinery | 451.13 | 438.98 | 439.52 | 40.1 | 39.3 | 41.0 | 11.25 | 11.17 | 10.72 |
| Metalworking Machinery | 525.71 | 505.33 | 521.12 | 43.7 | 42.5 | 44.2 | 12.03 | 11.89 | 11.79 |
| Special Industry Machinery | 518.18 | 486.99 | 514.80 | 44.1 | 42.2 | 45.0 | 11.75 | 11.54 | 11.44 |
| General Industrial Machinery | 623.57 | 535.61 | 584.33 | 44.7 | 40.7 | 44.1 | 13.95 | 13.16 | 13.25 |
| Computer and Office Equipment | 466.16 | 491.06 | 458.71 | 41.4 | 43.0 | 41.4 | 11.26 | 11.42 | 11.08 |
| Refrigeration and Service Machinery | 617.76 | 554.80 | 639.47 | 42.9 | 40.0 | 44.5 | 14.40 | 13.87 | 14.37 |
| Electronic and Other Electric Equipment | 457.06 | 437.80 | 457.19 | 40.7 | 39.8 | 41.3 | 11.23 | 11.00 | 11.07 |
| Electrical Industrial Apparatus | 441.98 | 416.47 | 444.69 | 41.5 | 40.2 | 43.3 | 10.65 | 10.36 | 10.27 |
| Household Appliances | 479.59 | 471.64 | 490.45 | 39.8 | 39.6 | 40.3 | 12.05 | 11.91 | 12.17 |
| Electric Lighting and Wiring Equipment | 490.86 | 461.37 | 469.09 | 40.4 | 39.0 | 40.3 | 12.15 | 11.83 | 11.64 |
| Electronic Components and Accessories | 332.51 | 322.81 | 340.71 | 40.6 | 40.2 | 41.0 | 8.19 | 8.03 | 8.31 |
| Transportation Equipment | 728.61 | 691.32 | 692.19 | 44.7 | 43.1 | 44.6 | 16.30 | 16.04 | 15.52 |
| Motor Vehicles and Equipment | 758.46 | 717.32 | 719.80 | 45.2 | 43.5 | 45.1 | 16.78 | 16.49 | 15.96 |
| Aircraft and Parts | 662.01 | 633.88 | 627.40 | 43.9 | 42.4 | 43.6 | 15.08 | 14.95 | 14.39 |
| Instruments and Related Products | 390.17 | 371.52 | 383.54 | 40.1 | 38.7 | 40.5 | 9.73 | 9.60 | 9.47 |
| Measuring and Controlling Devices | 376.53 | 363.84 | 379.69 | 39.1 | 37.9 | 39.8 | 9.63 | 9.60 | 9.54 |
| Nondurable Goods[g] | 495.10 | 478.06 | 473.10 | 42.1 | 41.0 | 41.5 | 11.76 | 11.66 | 11.40 |
| Food and Kindred Products | 468.71 | 445.61 | 454.69 | 41.7 | 40.4 | 41.6 | 11.24 | 11.03 | 10.93 |
| Dairy Products | 488.42 | 477.00 | 459.19 | 43.3 | 42.4 | 42.4 | 11.28 | 11.25 | 10.83 |
| Preserved Fruits and Vegetables | 482.00 | 453.18 | 463.32 | 40.2 | 39.0 | 40.5 | 11.99 | 11.62 | 11.44 |
| Bakery Products | 499.32 | 483.34 | 463.97 | 40.3 | 39.2 | 38.6 | 12.39 | 12.33 | 12.02 |
| Apparel and Other Textile Products | 326.42 | 304.72 | 297.38 | 40.2 | 37.9 | 37.5 | 8.12 | 8.04 | 7.93 |
| Paper and Allied Products | 518.75 | 493.85 | 486.21 | 44.3 | 42.5 | 42.8 | 11.71 | 11.62 | 11.36 |
| Paperboard Containers and Boxes | 463.76 | 412.70 | 423.90 | 44.0 | 40.5 | 41.6 | 10.54 | 10.19 | 10.19 |
| Miscellaneous Converted Paper Products | 472.19 | 427.52 | 425.46 | 43.4 | 40.6 | 42.0 | 10.88 | 10.53 | 10.13 |
| Printing and Publishing | 467.67 | 458.25 | 446.18 | 39.7 | 39.2 | 38.9 | 11.78 | 11.69 | 11.47 |
| Newspapers | 385.39 | 376.49 | 381.48 | 33.6 | 33.2 | 34.0 | 11.47 | 11.34 | 11.22 |
| Commercial Printing | 457.00 | 457.41 | 437.10 | 40.3 | 40.3 | 39.7 | 11.34 | 11.35 | 11.01 |
| Chemicals and Allied Products | 610.85 | 610.42 | 574.67 | 43.2 | 43.2 | 42.1 | 14.14 | 14.13 | 13.65 |
| Plastics Materials and Synthetics | 697.77 | 706.50 | 659.00 | 44.7 | 45.0 | 43.7 | 15.61 | 15.70 | 15.08 |
| Rubber and Miscellaneous Plastics Products | 461.00 | 434.42 | 450.71 | 42.1 | 40.6 | 42.6 | 10.95 | 10.70 | 10.58 |
| Tires and Inner Tubes | 763.96 | 655.50 | 696.76 | 47.1 | 42.4 | 45.9 | 16.22 | 15.46 | 15.18 |
| Miscellaneous Plastics Products | 442.62 | 424.04 | 438.60 | 41.6 | 40.5 | 42.5 | 10.64 | 10.47 | 10.32 |
| **Service-Producing Industries** | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Transportation and Public Utilities | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Communications, Electric, Gas Services | 619.06 | 624.31 | 577.13 | 41.8 | 41.9 | 40.7 | 14.81 | 14.90 | 14.18 |
| Communications | 559.32 | 568.50 | 552.00 | 39.5 | 39.7 | 40.0 | 14.16 | 14.32 | 13.80 |
| Electric, Gas, and Sanitary Services | 688.86 | 688.20 | 607.36 | 44.5 | 44.4 | 41.6 | 15.48 | 15.50 | 14.60 |
| Wholesale Trade | 416.30 | 411.84 | 402.34 | 39.2 | 39.0 | 39.1 | 10.62 | 10.56 | 10.29 |
| Wholesale Trade-Durable Goods | 412.65 | 405.99 | 391.17 | 39.3 | 39.0 | 39.0 | 10.50 | 10.41 | 10.03 |
| Motor Vehicles, Parts, and Supplies | 356.64 | 350.42 | 337.61 | 37.9 | 37.2 | 37.1 | 9.41 | 9.42 | 9.10 |
| Metals and Minerals, Except Petroleum | 469.83 | 459.20 | 454.12 | 41.8 | 41.0 | 42.6 | 11.24 | 11.20 | 10.66 |
| Wholesale Trade-Nondurable Goods | 423.84 | 422.67 | 421.01 | 39.1 | 39.1 | 39.2 | 10.84 | 10.81 | 10.74 |

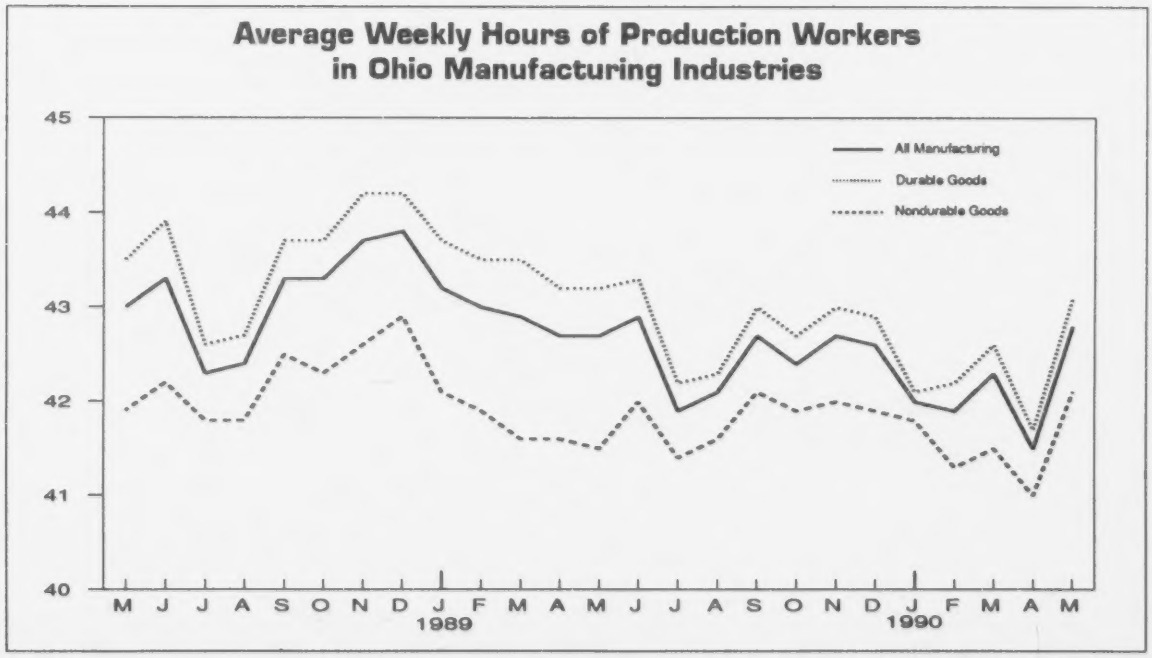
See footnotes on page 13.

## Hours and Earnings of Production or Nonsupervisory Workers[a]

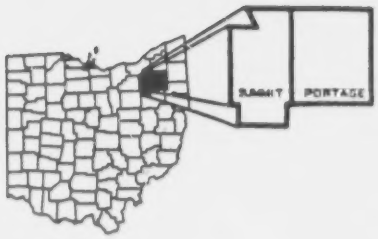
Not Seasonally Adjusted

| | Average Weekly Earnings | | | Average Weekly Hours | | | Average Hourly Earnings | | |
|---|---|---|---|---|---|---|---|---|---|
| | May 1990[b] | Apr. 1990[c] | May 1989[c] | May 1990[b] | Apr. 1990[c] | May 1989[c] | May 1990[b] | Apr. 1990[c] | May 1989[c] |
| Retail Trade[i] | $178.79 | $178.08 | $174.17 | 28.2 | 28.0 | 28.6 | $6.34 | $6.36 | $6.09 |
| General Merchandise Stores | 192.19 | 189.89 | 181.48 | 28.6 | 28.3 | 28.4 | 6.72 | 6.71 | 6.39 |
| Department Stores | 195.73 | 192.72 | 188.14 | 29.7 | 28.3 | 28.9 | 6.82 | 6.81 | 6.51 |
| Finance, Insurance, and Real Estate | 352.97 | 353.02 | 339.90 | .... | .... | .... | ..... | ..... | ..... |
| Finance | 326.41 | 326.51 | 317.13 | .... | .... | .... | ..... | ..... | ..... |
| Depository Institutions | 279.03 | 279.42 | 271.02 | .... | .... | .... | ..... | ..... | ..... |
| Commercial Banks | 276.18 | 276.89 | 269.74 | .... | .... | .... | ..... | ..... | ..... |
| Insurance | 418.97 | 417.87 | 400.77 | .... | .... | .... | ..... | ..... | ..... |
| Insurance Carriers | 407.05 | 406.28 | 388.64 | .... | .... | .... | ..... | ..... | ..... |
| Life Insurance | 383.47 | 381.98 | 362.83 | .... | .... | .... | ..... | ..... | ..... |
| Fire, Marine, and Casualty Insurance | 435.58 | 435.29 | 411.20 | .... | .... | .... | ..... | ..... | ..... |
| Services | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Business Services | 242.31 | 237.96 | 211.40 | 32.7 | 32.2 | 31.6 | 7.41 | 7.39 | 6.69 |
| Health Services | 311.26 | 311.61 | 297.95 | 31.6 | 31.7 | 31.9 | 9.85 | 9.83 | 9.34 |
| Nursing and Personal Care Facilities | 208.88 | 209.24 | 192.78 | 31.6 | 31.8 | 31.5 | 6.61 | 6.58 | 6.12 |
| Hospitals | 364.50 | 366.77 | 348.08 | 32.2 | 32.4 | 32.5 | 11.32 | 11.32 | 10.71 |
| Engineering and Management Services | 492.25 | 501.88 | 452.09 | 35.8 | 35.9 | 35.1 | 13.75 | 13.98 | 12.88 |
| Engineering and Architectural Services | 689.98 | 690.90 | 629.32 | 33.3 | 32.9 | 31.8 | 20.72 | 21.00 | 19.79 |
| Research and Testing Services | 379.41 | 381.22 | 350.81 | 36.1 | 36.1 | 35.4 | 10.51 | 10.56 | 9.91 |

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Includes miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities, State schools for the deaf and blind, and the State library. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [l]Depressed due to labor-management disputes.



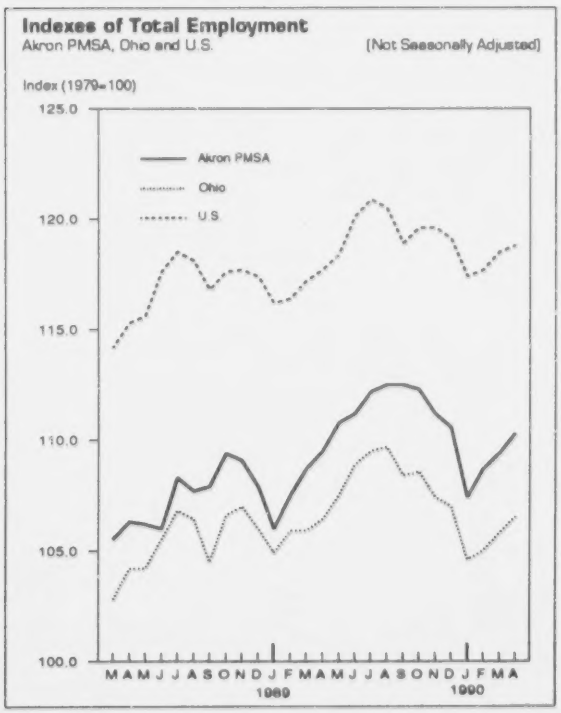
# AKRON
## PRIMARY METROPOLITAN STATISTICAL AREA

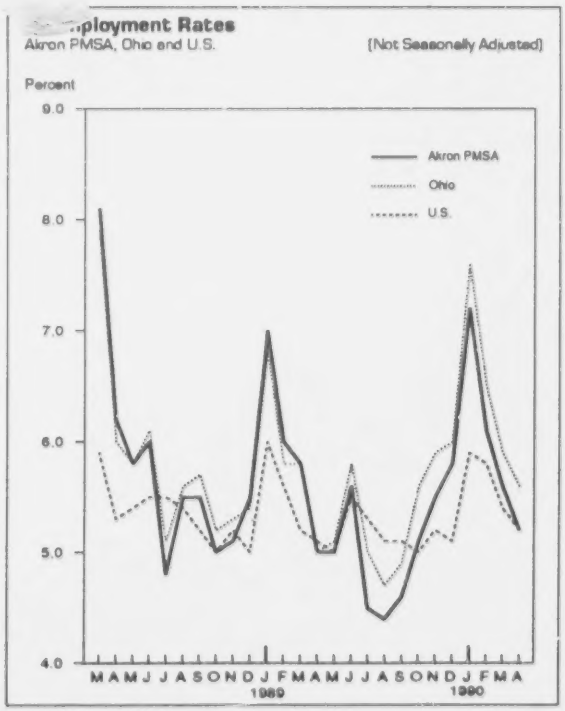



In the Akron metropolitan area, nonfarm payroll employment totaled 293,400 in May 1990, up 4,300 from the April level. Employment in service-producing industries increased 3,600. Most of the gain occurred in services, especially amusements, including motion pictures. More business in construction raised employment in goods-producing industries 700 over the month to 78,700. Manufacturing production workers averaged $11.80 per hour, 19 cents higher than April. Their average workweek of 42.3 hours was 1.0 hours longer.

Nonagricultural wage and salary employment advanced 8,600 between May 1989 and May 1990. The improvement was concentrated in service-producing industries. Leading areas of expansion were services (+4,600) and retail trade (+2,100). The number of workers in goods-producing industries was unchanged from the year-ago level as a reduction in manufacturing negated growth in construction. Declines in durable-goods manufacturing, particularly transportation equipment, more than offset a slight increase in rubber and miscellaneous plastics products.

Seasonally adjusted employment in the Akron area increased 1,000 from April to 290,000 in May 1990 due to slight gains in service-producing industries, especially services. Since May 1989, total payroll employment advanced 8,000. Noteworthy growth occurred in services and retail trade. Wholesale trade, finance, insurance, and real estate, and government each added 1,000.



## Akron PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

| Civilian Labor Force | | | | | Nonagricultural Wage & Salary Employment | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Manufacturing Employment | | | | |
| | | | | | | | Manufacturing Production Workers | | | |
| | | | | | | | | Hours & Earnings | | |
| Total | Employed | Unemployed | | | | | | Average Weekly Earnings | Average Weekly Hours | Average Hourly Earnings |
| | | Total | Rate | | | | | | | |
| 303.8 | 285.4 | 18.4 | 6.1 | 1979 | 270.9 | 85.6 | 53.8 | $321.57 | 41.6 | $7.73 |
| 304.5 | 278.3 | 26.2 | 8.6 | 1980 | 262.4 | 79.1 | 47.5 | 361.88 | 41.5 | 8.72 |
| 304.1 | 274.9 | 29.1 | 9.6 | 1981 | 259.5 | 75.7 | 43.7 | 397.10 | 41.8 | 9.50 |
| 303.9 | 268.0 | 35.9 | 11.8 | 1982 | 248.8 | 68.3 | 36.9 | 403.03 | 41.0 | 9.83 |
| 302.5 | 265.2 | 37.3 | 12.3 | 1983 | 244.7 | 65.2 | 33.4 | 452.12 | 43.1 | 10.49 |
| 316.5 | 285.8 | 30.6 | 9.7 | 1984 | 252.2 | 67.9 | 38.0 | 470.65 | 43.7 | 10.77 |
| 317.8 | 289.9 | 28.0 | 8.8 | 1985 | 257.6 | 68.1 | 37.3 | 475.20 | 43.2 | 11.00 |
| 320.4 | 294.8 | 25.6 | 8.0 | 1986 | 260.7 | 67.2 | 36.4 | 484.70 | 43.2 | 11.22 |
| 320.3 | 297.5 | 22.7 | 7.1 | 1987 | 265.1 | 66.4 | 36.5 | 487.03 | 43.1 | 11.30 |
| 324.9 | 305.2 | 19.7 | 6.1 | 1988 | 272.7 | 66.2 | 37.7 | 502.28 | 43.3 | 11.60 |
| 333.0 | 315.1 | 17.8 | 5.4 | 1989 | 282.2 | 67.7 | 39.5 | 495.75 | 42.7 | 11.61 |
| | | | | 1989 | | | | | | |
| 332.8 | 316.2 | 16.6 | 5.0 | May | 284.9 | 68.1 | 40.0 | 495.32 | 42.7 | 11.60 |
| 336.0 | 317.3 | 18.7 | 5.6 | June | 283.0 | 68.4 | 40.2 | 483.49 | 42.3 | 11.43 |
| 335.3 | 320.1 | 15.1 | 4.5 | July | 281.6 | 68.5 | 40.1 | 482.05 | 42.1 | 11.45 |
| 336.0 | 321.1 | 14.9 | 4.4 | August | 281.6 | 68.0 | 39.7 | 491.18 | 42.6 | 11.53 |
| 336.5 | 321.1 | 15.4 | 4.6 | September | 289.1 | 68.1 | 39.7 | 511.49 | 43.2 | 11.84 |
| 337.8 | 320.6 | 17.2 | 5.1 | October | 288.5 | 67.9 | 39.4 | 497.78 | 42.4 | 11.74 |
| 335.9 | 317.3 | 18.6 | 5.5 | November | 289.1 | 67.8 | 39.1 | 502.79 | 42.9 | 11.72 |
| 335.3 | 315.7 | 19.5 | 5.8 | December | 289.4 | 67.7 | 38.9 | 504.70 | 43.1 | 11.71 |
| | | | | 1990 | | | | | | |
| 330.0 | 306.4 | 23.6 | 7.2 | January | 277.2 | 67.1 | 38.1 | 497.64 | 42.9 | 11.60 |
| 330.3 | 310.1 | 20.2 | 6.1 | February | 282.7 | 67.3 | 38.4 | 496.40 | 42.5 | 11.68 |
| 330.6 | 312.2 | 18.4 | 5.6 | March | 285.4 | 67.6 | 38.6 | 500.02 | 42.7 | 11.71 |
| 332.3 | 314.9 | 17.4 | 5.2 | April | 289.2 | 67.5 | 38.6 | 479.49 | 41.3 | 11.61 |
| INA | INA | INA | INA | May | 293.4 | 67.6 | 38.6 | 499.14 | 42.3 | 11.80 |

INA – information not available

## Akron PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

| Total | Goods-Producing Industries | Construction | Manufacturing | | Service-Producing Industries | Transportation & Public Utilities | Wholesale Trade | Retail Trade | Finance, Insurance, & Real Estate | Services | Government |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 271 | 95 | 9 | 86 | 1979 | 176 | 15 | 12 | 46 | 9 | 50 | 43 |
| 262 | 88 | 8 | 79 | 1980 | 175 | 14 | 12 | 45 | 9 | 50 | 44 |
| 260 | 84 | 8 | 76 | 1981 | 175 | 14 | 13 | 45 | 9 | 52 | 42 |
| 249 | 76 | 7 | 68 | 1982 | 173 | 13 | 12 | 45 | 9 | 52 | 41 |
| 245 | 73 | 7 | 65 | 1983 | 172 | 13 | 12 | 45 | 9 | 52 | 41 |
| 252 | 76 | 8 | 68 | 1984 | 176 | 13 | 13 | 47 | 9 | 53 | 41 |
| 258 | 77 | 8 | 68 | 1985 | 180 | 13 | 13 | 49 | 10 | 54 | 42 |
| 261 | 76 | 9 | 67 | 1986 | 184 | 13 | 14 | 50 | 10 | 56 | 42 |
| 265 | 76 | 9 | 66 | 1987 | 189 | 13 | 14 | 52 | 11 | 58 | 42 |
| 273 | 76 | 10 | 66 | 1988 | 196 | 13 | 15 | 53 | 11 | 62 | 43 |
| 282 | 78 | 10 | 68 | 1989 | 204 | 13 | 15 | 55 | 10 | 66 | 44 |
| | | | | 1989 | | | | | | | |
| 282 | 78 | 10 | 68 | May | 203 | 13 | 15 | 55 | 10 | 66 | 44 |
| 283 | 78 | 10 | 68 | June | 205 | 13 | 15 | 55 | 10 | 67 | 44 |
| 283 | 78 | 10 | 68 | July | 204 | 13 | 15 | 55 | 10 | 67 | 43 |
| 284 | 78 | 10 | 68 | August | 205 | 13 | 16 | 55 | 11 | 67 | 44 |
| 284 | 78 | 10 | 68 | September | 206 | 13 | 16 | 55 | 11 | 67 | 44 |
| 284 | 78 | 10 | 68 | October | 206 | 13 | 16 | 56 | 11 | 67 | 44 |
| 285 | 78 | 10 | 68 | November | 207 | 13 | 16 | 56 | 11 | 68 | 44 |
| 286 | 78 | 10 | 68 | December | 208 | 13 | 16 | 56 | 11 | 68 | 44 |
| | | | | 1990 | | | | | | | |
| 285 | 78 | 10 | 68 | January | 206 | 13 | 16 | 56 | 11 | 67 | 43 |
| 288 | 79 | 10 | 68 | February | 209 | 13 | 16 | 57 | 11 | 68 | 45 |
| 288 | 79 | 10 | 68 | March | 210 | 13 | 16 | 57 | 11 | 69 | 45 |
| 289 | 79 | 11 | 68 | April | 210 | 13 | 16 | 57 | 11 | 69 | 45 |
| 290 | 79 | 10 | 67 | May | 212 | 13 | 16 | 57 | 11 | 70 | 45 |

## Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Akron PMSA

| | Employment (in thousands) | | | Change[d] (in thousands) | |
|---|---|---|---|---|---|
| | May 1990[b] | Apr. 1990[c] | May 1989[c] | From Last Month | From Last Year |
| **Total** | 293.4 | 289.2 | 284.9 | 4.3 | 8.6 |
| **Goods-Producing Industries**[e] | 78.7 | 78.0 | 78.6 | .7 | .0 |
| Construction | 10.5 | 9.9 | 10.0 | .6 | .5 |
| Manufacturing | 67.6 | 67.5 | 68.1 | .0 | -.5 |
| Durable Goods[f] | 34.5 | 34.5 | 35.1 | .1 | -.6 |
| Fabricated Metal Products | 11.1 | 11.0 | 11.1 | .1 | -.1 |
| Fabricated Structural Metal Products | 4.7 | 4.8 | 4.8 | -.1 | -.1 |
| Industrial Machinery and Equipment | 10.1 | 10.0 | 10.2 | .0 | -.1 |
| Metalworking Machinery | 3.9 | 3.9 | 3.9 | .0 | .0 |
| Electronic and Other Electric Equipment | 2.5 | 2.5 | 2.6 | .0 | -.1 |
| Transportation Equipment | 4.9 | 4.9 | 5.3 | .0 | -.4 |
| Nondurable Goods[g] | 33.0 | 33.1 | 32.9 | .0 | .1 |
| Food and Kindred Products | 3.0 | 3.1 | 3.0 | -.1 | .0 |
| Chemicals and Allied Products | 3.7 | 3.6 | 3.7 | .0 | .0 |
| Rubber and Miscellaneous Plastics Products | 20.5 | 20.5 | 20.2 | .0 | .3 |
| Tires and Inner Tubes | 11.4 | 11.4 | 11.2 | .0 | .3 |
| **Service-Producing Industries** | 214.7 | 211.2 | 206.2 | 3.6 | 8.5 |
| Transportation and Public Utilities | 13.5 | 13.4 | 13.1 | .1 | .4 |
| Communications, Electric, Gas Services | 4.7 | 4.7 | 4.8 | .0 | -.1 |
| Wholesale Trade | 15.9 | 15.8 | 15.4 | .1 | .5 |
| Retail Trade | 57.1 | 56.4 | 55.0 | .7 | 2.1 |
| General Merchandise Stores | 7.7 | 7.7 | 7.3 | .0 | .4 |
| Food Stores | 9.1 | 9.0 | 9.0 | .1 | .1 |
| Finance, Insurance, and Real Estate | 10.6 | 10.5 | 10.4 | .1 | .2 |
| Finance | 5.4 | 5.4 | 5.3 | .1 | .1 |
| Services | 70.6 | 68.5 | 66.0 | 2.1 | 4.6 |
| Business Services | 11.9 | 11.7 | 10.9 | .2 | 1.0 |
| Personnel Supply Services | 3.2 | 3.2 | 3.0 | .0 | .3 |
| Amusements, Including Motion Pictures | 7.7 | 6.3 | 6.2 | 1.4 | 1.5 |
| Health Services | 22.0 | 22.0 | 21.1 | .1 | .9 |
| Nursing and Personal Care Facilities | 3.9 | 3.9 | 3.6 | .0 | .3 |
| Hospitals | 11.0 | 11.0 | 10.6 | .0 | .3 |
| Social Services | 4.8 | 4.7 | 4.7 | .1 | .1 |
| Engineering and Management Services | 5.2 | 5.2 | 4.9 | .1 | .3 |
| Government | 47.0 | 46.6 | 46.4 | .4 | .6 |
| Federal Government | 2.8 | 2.6 | 2.4 | .1 | .3 |
| State Government | 17.4 | 17.5 | 17.1 | -.1 | .3 |
| State Government Education[h] | 14.6 | 14.7 | 14.2 | -.1 | .3 |
| Local Government | 26.9 | 26.5 | 26.8 | .4 | .0 |
| Local Government Education | 14.7 | 14.5 | 14.7 | .1 | .0 |

## Hours and Earnings of Production or Nonsupervisory Workers[a]

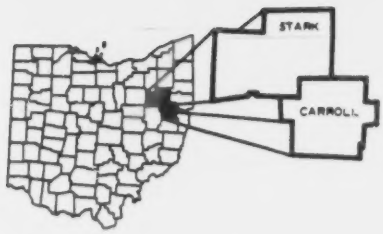
Not Seasonally Adjusted

Akron PMSA

| | Average Weekly Earnings | | | Average Weekly Hours | | | Average Hourly Earnings | | |
|---|---|---|---|---|---|---|---|---|---|
| | May 1990[b] | Apr. 1990[c] | May 1989[c] | May 1990[b] | Apr. 1990[c] | May 1989[c] | May 1990[b] | Apr. 1990[c] | May 1989[c] |
| Manufacturing | $499.14 | $479.49 | $495.32 | 42.3 | 41.3 | 42.7 | $11.80 | $11.61 | $11.60 |
| Durable Goods[f] | 500.91 | 486.80 | 511.60 | 42.2 | 41.5 | 43.1 | 11.87 | 11.73 | 11.87 |
| Fabricated Metal Products | 598.58 | 573.65 | 651.35 | 41.8 | 40.8 | 44.4 | 14.32 | 14.06 | 14.67 |
| Fabricated Structural Metal Products | 497.54 | 488.78 | 452.38 | 42.2 | 42.1 | 41.2 | 11.79 | 11.61 | 10.98 |
| Industrial Machinery and Equipment | 461.78 | 461.78 | 453.58 | 43.4 | 43.4 | 44.6 | 10.64 | 10.64 | 10.17 |
| Metalworking Machinery | 493.95 | 489.28 | 490.95 | 44.3 | 44.0 | 45.5 | 11.15 | 11.12 | 10.79 |
| Electronic and Other Electric Equipment | 409.66 | 414.53 | 389.42 | 40.4 | 40.6 | 39.9 | 10.14 | 10.21 | 9.76 |
| Transportation Equipment | 617.02 | 583.23 | 604.73 | 42.7 | 40.7 | 42.2 | 14.45 | 14.33 | 14.33 |
| Nondurable Goods[g] | 497.25 | 468.31 | 472.78 | 42.5 | 40.9 | 42.1 | 11.70 | 11.45 | 11.23 |
| Food and Kindred Products | 380.60 | 368.45 | 412.86 | 39.4 | 38.5 | 42.0 | 9.66 | 9.57 | 9.83 |
| Chemicals and Allied Products | 539.40 | 553.96 | 499.66 | 43.5 | 44.0 | 41.5 | 12.40 | 12.59 | 12.04 |
| Rubber and Miscellaneous Plastics Products | 514.04 | 463.09 | 489.19 | 43.6 | 41.2 | 43.6 | 11.79 | 11.24 | 11.22 |
| Tires and Inner Tubes | 891.79 | 787.77 | 818.06 | 51.4 | 47.2 | 49.7 | 17.35 | 16.69 | 16.46 |
| Transportation and Public Utilities | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Communications, Electric, Gas Services | 602.12 | 605.46 | 584.44 | 41.1 | 41.3 | 41.1 | 14.65 | 14.66 | 14.22 |
| Wholesale Trade | 362.23 | 359.66 | 347.70 | 36.7 | 36.7 | 36.6 | 9.87 | 9.80 | 9.50 |
| Retail Trade[i] | 212.83 | 214.83 | 215.49 | 30.8 | 30.3 | 32.6 | 6.91 | 7.09 | 6.61 |
| General Merchandise Stores | 201.23 | 198.24 | 215.50 | 29.9 | 29.5 | 32.8 | 6.73 | 6.72 | 6.57 |
| Food Stores | 312.84 | 310.74 | 328.37 | 36.0 | 35.8 | 37.4 | 8.69 | 8.68 | 8.78 |
| Finance, Insurance, and Real Estate | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Finance | 283.96 | 281.93 | 276.55 | .... | .... | .... | ..... | ..... | ..... |

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

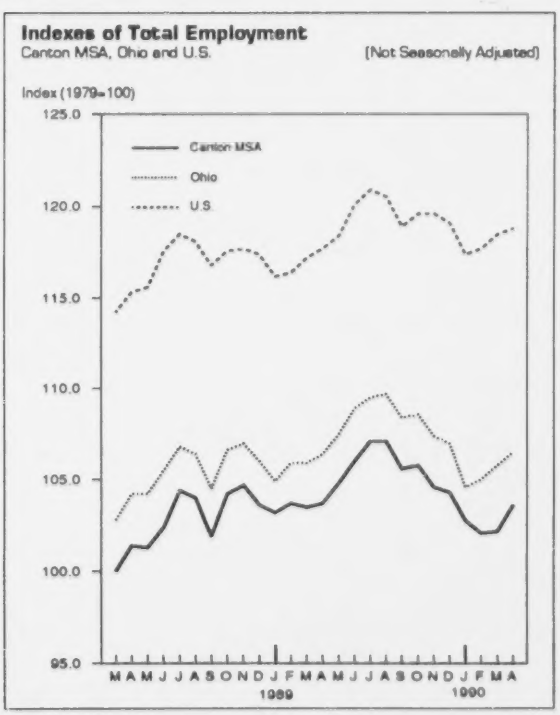
# CANTON METROPOLITAN STATISTICAL AREA

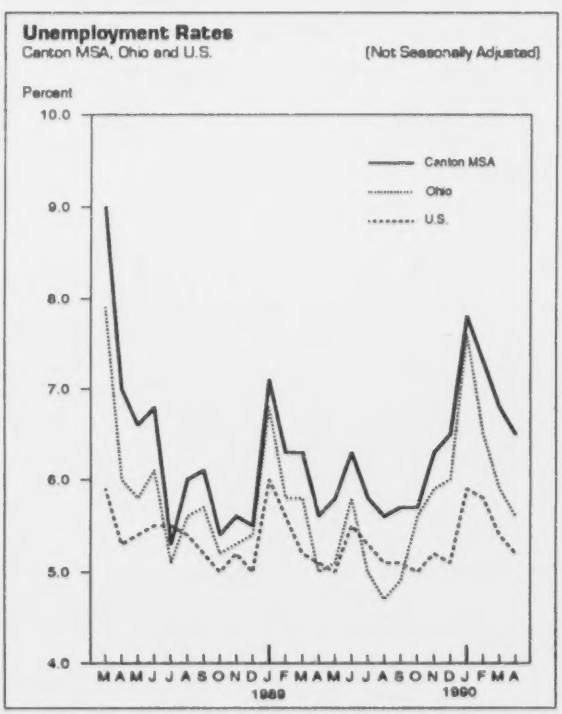



Total nonfarm payroll employment in the Canton metropolitan area rose 2,200 above the April level to 167,800 in May 1990. Employment in service-producing industries advanced 1,200 due to slight gains in retail trade, services, and local government. An increase in durable-goods manufacturing due to the settlement of a labor-management dispute in primary metal industries and more business in construction raised goods-producing industries 1,100 over the month to 53,100. Factory production workers averaged $11.38 per hour, up 6 cents from April. Their average workweek of 42.2 hours was 0.3 hours longer.

Nonagricultural wage and salary employment advanced 3,000 between May 1989 and May 1990. The growth was concentrated in the service-producing sector. Leading areas of expansion were retail trade and services. The number of jobs in goods-producing industries declined 1,000 during the period. Reductions in manufacturing, especially fabricated metal products, primary metal industries, and rubber and miscellaneous plastics products negated modest improvement in construction.

Seasonally adjusted employment in the Canton area was unchanged from April at 167,000 in May 1990. An increase in manufacturing was counterbalanced by a decline in construction. Since May 1989, total payroll employment increased 3,000. Improvements were posted in retail trade, wholesale trade, services, and government.



## Canton MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

| Civilian Labor Force | | | | | Nonagricultural Wage & Salary Employment | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Manufacturing Employment | | | | |
| | | | | | | | Manufacturing Production Workers | | | |
| | | | | | | | | Hours & Earnings | | |
| Total | Employed | Unemployed | | | | | | Average Weekly Earnings | Average Weekly Hours | Average Hourly Earnings |
| | | Total | Rate | | | | | | | |
| 184.3 | 173.7 | 10.6 | 5.7 | 1979 | 160.8 | 59.1 | 43.2 | $330.88 | 40.9 | $8.09 |
| 187.7 | 170.9 | 16.8 | 8.9 | 1980 | 157.1 | 55.7 | 40.1 | 342.81 | 39.0 | 8.79 |
| 188.4 | 170.1 | 18.2 | 9.7 | 1981 | 156.6 | 54.8 | 39.6 | 390.40 | 40.0 | 9.76 |
| 191.4 | 164.3 | 27.0 | 14.1 | 1982 | 148.6 | 47.6 | 33.3 | 394.49 | 38.6 | 10.22 |
| 187.0 | 159.5 | 27.5 | 14.7 | 1983 | 143.4 | 43.5 | 30.6 | 422.14 | 39.6 | 10.66 |
| 188.1 | 168.1 | 19.9 | 10.6 | 1984 | 149.[illegible] | 46.4 | 33.6 | 437.53 | 40.4 | 10.83 |
| 189.5 | 169.5 | 20.0 | 10.6 | 1985 | 151.5 | 46.2 | 33.8 | 435.81 | 39.8 | 10.95 |
| 190.5 | 171.2 | 19.4 | 10.2 | 1986 | 151.9 | 43.7 | 31.0 | 451.76 | 40.3 | 11.21 |
| 190.4 | 174.7 | 15.7 | 8.2 | 1987 | 156.4 | 44.0 | 31.2 | 475.15 | 41.9 | 11.34 |
| 190.5 | 178.0 | 12.6 | 6.6 | 1988 | 160.1 | 45.3 | 32.4 | 462.21* | 42.6* | 10.85* |
| 194.1 | 182.3 | 11.8 | 6.1 | 1989 | 164.1 | 45.6 | 32.5 | 466.91 | 41.8 | 11.17 |
| | | | | 1989 | | | | | | |
| 193.3 | 182.0 | 11.2 | 5.8 | May | 164.7 | 46.2 | 33.2 | 470.82 | 42.0 | 11.21 |
| 196.6 | 184.2 | 12.4 | 6.3 | June | 165.7 | 46.4 | 33.3 | 476.30 | 42.3 | 11.26 |
| 197.4 | 186.0 | 11.5 | 5.8 | July | 165.2 | 45.9 | 32.9 | 454.92 | 40.8 | 11.15 |
| 197.0 | 186.1 | 10.9 | 5.6 | August | 164.9 | 45.9 | 33.1 | 464.21 | 41.3 | 11.24 |
| 194.5 | 183.5 | 11.0 | 5.7 | September | 166.3 | 46.0 | 33.3 | 466.99 | 41.4 | 11.28 |
| 194.9 | 183.8 | 11.1 | 5.7 | October | 161.8 | 40.6 | 28.1 | 456.08 | 41.2 | 11.07 |
| 193.8 | 181.7 | 12.1 | 6.3 | November | 166.5 | 45.7 | 31.8 | 462.26 | 41.2 | 11.22 |
| 193.9 | 181.2 | 12.7 | 6.5 | December | 167.2 | 45.6 | 31.8 | 467.87 | 41.7 | 11.22 |
| | | | | 1990 | | | | | | |
| 193.6 | 178.5 | 15.1 | 7.8 | January | 163.1 | 45.5 | 31.8 | 475.45 | 42.3 | 11.24 |
| 191.3 | 177.3 | 14.0 | 7.3 | February | 162.7 | 45.4 | 31.8 | 473.91 | 42.2 | 11.23 |
| 190.3 | 177.5 | 12.9 | 6.8 | March | 163.3 | 44.8 | 31.2 | 472.36 | 42.1 | 11.22 |
| 192.5 | 179.9 | 12.6 | 6.5 | April | 165.5 | 44.1 | 30.3 | 474.31 | 41.9 | 11.32 |
| INA | INA | INA | INA | May | 167.8 | 44.7 | 31.0 | 480.24 | 42.2 | 11.38 |

INA – information not available

*Not comparable to previous estimates due to change in estimating methodology.

## Canton MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

| Total | Goods-Producing Industries | Construction | Manufacturing | | Service-Producing Industries | Transportation & Public Utilities | Wholesale Trade | Retail Trade | Finance, Insurance, & Real Estate | Services | Government |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 161 | 67 | 6 | 59 | 1979 | 94 | 6 | 7 | 27 | 6 | 28 | 18 |
| 157 | 62 | 5 | 56 | 1980 | 95 | 7 | 7 | 26 | 6 | 29 | 19 |
| 157 | 61 | 5 | 55 | 1981 | 95 | 7 | 8 | 26 | 6 | 30 | 19 |
| 149 | 54 | 5 | 48 | 1982 | 95 | 6 | 8 | 26 | 6 | 30 | 18 |
| 143 | 49 | 4 | 44 | 1983 | 94 | 6 | 7 | 26 | 6 | 31 | 18 |
| 149 | 53 | 5 | 46 | 1984 | 97 | 6 | 8 | 27 | 6 | 31 | 18 |
| 151 | 53 | 5 | 46 | 1985 | 99 | 6 | 8 | 29 | 6 | 32 | 18 |
| 152 | 50 | 5 | 44 | 1986 | 102 | 6 | 8 | 30 | 6 | 33 | 18 |
| 156 | 51 | 6 | 44 | 1987 | 106 | 6 | 8 | 31 | 7 | 36 | 18 |
| 160 | 52 | 6 | 45 | 1988 | 108 | 6 | 8 | 32 | 7 | 37 | 19 |
| 164 | 55 | 7 | 46 | 1989 | 111 | 6 | 9 | 33 | 7 | 38 | 19 |
| | | | | 1989 | | | | | | | |
| 164 | 54 | 7 | 46 | May | 110 | 6 | 8 | 32 | 7 | 38 | 19 |
| 164 | 54 | 7 | 46 | June | 110 | 6 | 8 | 33 | 7 | 38 | 19 |
| 164 | 53 | 7 | 46 | July | 111 | 6 | 9 | 33 | 7 | 38 | 19 |
| 164 | 53 | 7 | 46 | August | 111 | 6 | 8 | 33 | 7 | 38 | 19 |
| 165 | 53 | 7 | 46 | September | 111 | 6 | 9 | 33 | 7 | 38 | 19 |
| 160 | 48 | 7 | 40 | October | 112 | 6 | 9 | 33 | 7 | 38 | 19 |
| 165 | 53 | 7 | 46 | November | 111 | 6 | 9 | 33 | 7 | 38 | 19 |
| 166 | 53 | 7 | 46 | December | 112 | 6 | 9 | 33 | 7 | 39 | 19 |
| | | | | 1990 | | | | | | | |
| 166 | 54 | 7 | 46 | January | 112 | 6 | 8 | 34 | 7 | 39 | 19 |
| 167 | 54 | 7 | 46 | February | 112 | 6 | 8 | 34 | 7 | 39 | 19 |
| 166 | 53 | 8 | 45 | March | 113 | 6 | 8 | 34 | 7 | 39 | 19 |
| 167 | 53 | 8 | 44 | April | 114 | 6 | 9 | 34 | 7 | 39 | 20 |
| 167 | 53 | 7 | 45 | May | 114 | 6 | 9 | 34 | 7 | 39 | 20 |

## Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Canton MSA

| | Employment (in thousands) | | | Change[d] (in thousands) | |
|---|---|---|---|---|---|
| | May 1990[b] | Apr. 1990[c] | May 1989[c] | From Last Month | From Last Year |
| **Total** | 167.8 | 165.5 | 164.7 | 2.2 | 3.0 |
| **Goods-Producing Industries[e]** | 53.1 | 52.0 | 54.1 | 1.1 | -1.0 |
| Construction | 7.6 | 7.2 | 7.1 | .4 | .5 |
| Manufacturing | 44.7 | 44.1 | 46.2 | .6 | -1.5 |
| Durable Goods[f] | 33.3 | 32.6 | 34.4 | .7 | -1.1 |
| Primary Metal Industries | 11.3 | 10.6 | 11.9 | .7 | -.6 |
| Fabricated Metal Products | 5.7 | 5.9 | 6.4 | -.1 | -.7 |
| Electronic and Other Electric Equipment | 4.1 | 4.1 | 4.1 | .0 | .0 |
| Nondurable Goods[g] | 11.4 | 11.5 | 11.8 | .0 | -.4 |
| Food and Kindred Products | 3.2 | 3.2 | 3.3 | -.1 | -.1 |
| Rubber and Miscellaneous Plastics Products | 2.8 | 2.8 | 3.1 | .0 | -.3 |
| **Service-Producing Industries** | 114.7 | 113.5 | 110.7 | 1.2 | 4.0 |
| Transportation and Public Utilities | 5.7 | 5.6 | 5.7 | .1 | .0 |
| Communications, Electric, Gas Services | 2.7 | 2.7 | 2.7 | .0 | .0 |
| Wholesale Trade | 8.6 | 8.5 | 8.5 | .1 | .1 |
| Retail Trade | 33.9 | 33.4 | 32.3 | .5 | 1.6 |
| General Merchandise Stores | 4.0 | 4.0 | 4.0 | .0 | .0 |
| Food Stores | 5.6 | 5.5 | 5.4 | .1 | .2 |
| Finance, Insurance, and Real Estate | 6.8 | 6.8 | 6.8 | .0 | .0 |
| Finance | 3.9 | 4.0 | 3.9 | .0 | .0 |
| Services | 39.7 | 39.4 | 38.1 | .2 | 1.6 |
| Health Services | 16.0 | 15.9 | 15.6 | .1 | .4 |
| Nursing and Personal Care Facilities | 3.8 | 3.8 | 3.7 | .0 | .1 |
| Hospitals | 7.4 | 7.4 | 7.4 | .0 | .0 |
| Government | 20.2 | 19.9 | 19.4 | .2 | .8 |
| Federal Government | 1.6 | 1.5 | 1.4 | .1 | .2 |
| State Government (Includes Education) | 1.7 | 1.8 | 1.7 | .0 | .0 |
| Local Government | 16.8 | 16.6 | 16.2 | .2 | .6 |
| Local Government Education | 10.2 | 10.1 | 9.9 | .1 | .3 |

## Hours and Earnings of Production or Nonsupervisory Workers[a]

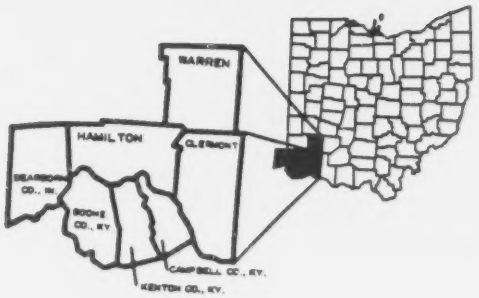
Not Seasonally Adjusted

Canton MSA

| | Average Weekly Earnings | | | Average Weekly Hours | | | Average Hourly Earnings | | |
|---|---|---|---|---|---|---|---|---|---|
| | May 1990[b] | Apr. 1990[c] | May 1989[c] | May 1990[b] | Apr. 1990[c] | May 1989[c] | May 1990[b] | Apr. 1990[c] | May 1989[c] |
| Manufacturing | $480.24 | $474.31 | $470.82 | 42.2 | 41.9 | 42.0 | $11.38 | $11.32 | $11.21 |
| Durable Goods[f] | 498.85 | 499.05 | 497.94 | 42.6 | 42.8 | 43.0 | 11.71 | 11.66 | 11.58 |
| Primary Metal Industries | 550.80 | 555.41 | 533.61 | 45.0 | 45.6 | 46.2 | 12.24 | 12.18 | 11.55 |
| Fabricated Metal Products | 443.00 | 469.40 | 466.49 | 39.1 | 40.5 | 39.6 | 11.33 | 11.59 | 11.78 |
| Electronic and Other Electric Equipment | 499.29 | 520.65 | 514.04 | 37.4 | 39.0 | 39.3 | 13.35 | 13.35 | 13.08 |
| Nondurable Goods[g] | 424.97 | 399.06 | 388.05 | 41.1 | 39.2 | 39.0 | 10.34 | 10.18 | 9.95 |
| Food and Kindred Products | 445.40 | 419.44 | 414.72 | 40.9 | 39.2 | 38.4 | 10.89 | 10.70 | 10.80 |
| Rubber and Miscellaneous Plastics Products | 417.35 | 390.02 | 396.76 | 42.5 | 40.5 | 41.2 | 9.82 | 9.63 | 9.63 |
| Transportation and Public Utilities | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Communications, Electric, Gas Services | 574.86 | 568.26 | 568.40 | 40.2 | 39.6 | 40.6 | 14.30 | 14.35 | 14.00 |
| Wholesale Trade | 392.03 | 381.70 | 377.48 | 38.7 | 38.4 | 37.9 | 10.13 | 9.94 | 9.96 |
| Retail Trade[i] | 174.75 | 173.85 | 163.56 | 28.6 | 28.5 | 28.2 | 6.11 | 6.10 | 5.80 |
| General Merchandise Stores | 187.78 | 191.40 | 191.24 | 28.8 | 29.0 | 30.5 | 6.52 | 6.60 | 6.27 |
| Food Stores | 166.32 | 159.94 | 159.57 | 28.0 | 27.2 | 27.8 | 5.94 | 5.88 | 5.74 |
| Services | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Health Services | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Nursing and Personal Care Facilities | 183.20 | 185.38 | 169.64 | 29.5 | 29.9 | 29.4 | 6.21 | 6.20 | 5.77 |

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [i]Money payments only; tips not included. [l]Depressed due to labor-management disputes.

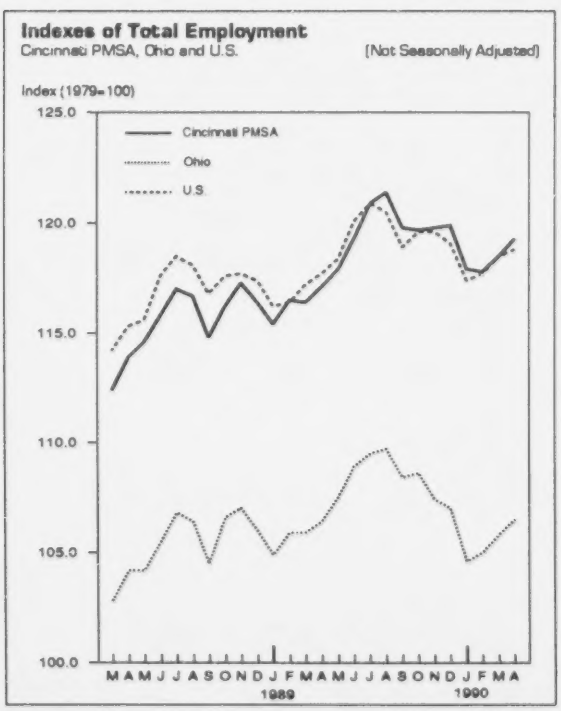
# CINCINNATI
## PRIMARY METROPOLITAN STATISTICAL AREA

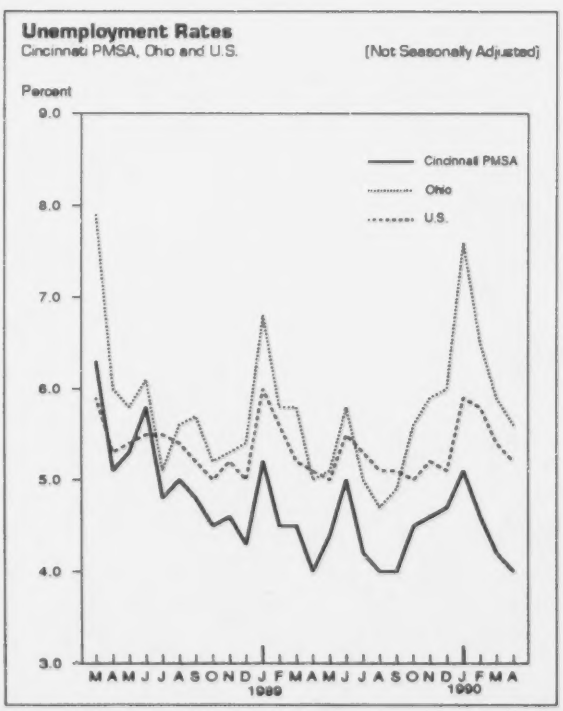



Nonagricultural payroll employment in the Cincinnati metropolitan area totaled 752,400 in May 1990, up 7,600 from the April level. Seasonal trends in services, especially amusements, including motion pictures, and in retail trade helped raise the number of employees in service-producing industries 5,700. The workforce in the goods-producing sector increased 1,900 over the month to 185,000 primarily due to more business in construction and scattered improvements in manufacturing. Factory production workers averaged $12.00 per hour, 26 cents higher than April. Their average workweek of 43.4 hours was 1.6 hours longer.

Nonfarm wage and salary employment advanced 29,500 between May 1989 and May 1990. Service-producing industries contributed 81.0 percent of the growth. Leading areas of expansion were retail trade (+9,900) and services (+7,500). Noteworthy gains also occurred in government, wholesale trade, and transportation and public utilities. Over-the-year improvements in manufacturing and construction added 5,600 jobs in goods-producing industries. Moderate growth was posted in transportation equipment, food and kindred products, and printing and publishing.

Seasonally adjusted employment in the Cincinnati area totaled 748,000 in May 1990, up 2,000 from April primarily due to improvements in services and government. Since May 1989, total payroll employment advanced 29,000. Primary growth sectors were retail trade, services, manufacturing, and government.



## Cincinnati PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

| Civilian Labor Force | | | | | Nonagricultural Wage & Salary Employment | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Manufacturing Employment | | | | |
| | | | | | | | Manufacturing Production Workers | | | |
| | | | | | | | | Hours & Earnings | | |
| Total | Employed | Unemployed | | | | | | Average Weekly Earnings | Average Weekly Hours | Average Hourly Earnings |
| | | Total | Rate | | | | | | | |
| 663.4 | 628.1 | 35.3 | 5.3 | 1979 | 607.4 | 173.1 | 117.0 | $303.37 | 41.5 | $7.31 |
| 676.2 | 628.8 | 47.5 | 7.0 | 1980 | 600.7 | 162.4 | 106.6 | 332.07 | 41.2 | 8.06 |
| 678.5 | 619.3 | 59.1 | 8.7 | 1981 | 592.2 | 157.3 | 103.5 | 360.86 | 41.1 | 8.78 |
| 684.3 | 612.4 | 71.9 | 10.5 | 1982 | 575.3 | 146.3 | 95.5 | 387.59 | 40.5 | 9.57 |
| 687.6 | 615.2 | 72.4 | 10.5 | 1983 | 575.6 | 140.4 | 87.7 | 415.52 | 41.1 | 10.11 |
| 695.9 | 638.4 | 57.5 | 8.3 | 1984 | 600.8 | 145.0 | 96.5 | 441.41 | 41.8 | 10.56 |
| 710.6 | 659.1 | 51.5 | 7.3 | 1985 | 628.1 | 147.1 | 96.8 | 441.74 | 41.4 | 10.67 |
| 727.8 | 680.7 | 47.2 | 6.5 | 1986 | 650.8 | 147.7 | 95.5 | 453.00 | 42.1 | 10.76 |
| 744.2 | 700.2 | 44.0 | 5.9 | 1987 | 677.7 | 146.0 | 93.4 | 467.57 | 42.7 | 10.95 |
| 761.3 | 722.2 | 39.0 | 5.1 | 1988 | 701.6 | 145.7 | 92.5 | 476.15 | 42.4 | 11.23 |
| 780.3 | 745.4 | 34.9 | 4.5 | 1989 | 726.4 | 146.7 | 92.6 | 497.64 | 42.9 | 11.60 |
| | | | | 1989 | | | | | | |
| 774.2 | 740.4 | 33.8 | 4.4 | May | 722.9 | 144.7 | 91.3 | 487.90 | 42.5 | 11.48 |
| 788.3 | 749.2 | 39.1 | 5.0 | June | 729.2 | 146.2 | 92.1 | 500.39 | 43.1 | 11.61 |
| 792.9 | 759.3 | 33.6 | 4.2 | July | 727.7 | 146.4 | 92.0 | 484.15 | 42.1 | 11.50 |
| 793.8 | 762.3 | 31.5 | 4.0 | August | 730.9 | 147.8 | 93.1 | 503.41 | 43.1 | 11.68 |
| 784.2 | 752.7 | 31.5 | 4.0 | September | 738.0 | 148.9 | 94.1 | 506.48 | 43.4 | 11.67 |
| 787.4 | 751.9 | 35.5 | 4.5 | October | 739.2 | 148.8 | 94.3 | 508.21 | 43.4 | 11.71 |
| 788.5 | 752.2 | 36.3 | 4.6 | November | 743.8 | 149.5 | 94.6 | 511.13 | 43.5 | 11.75 |
| 790.7 | 753.4 | 37.3 | 4.7 | December | 748.2 | 149.7 | 94.8 | 498.19 | 42.8 | 11.64 |
| | | | | 1990 | | | | | | |
| 779.7 | 740.3 | 39.4 | 5.1 | January | 726.3 | 148.9 | 93.7 | 502.04 | 42.8 | 11.73 |
| 775.6 | 739.7 | 35.9 | 4.6 | February | 727.9 | 149.1 | 93.9 | 498.53 | 42.5 | 11.73 |
| 777.2 | 744.5 | 32.7 | 4.2 | March | 735.1 | 148.3 | 93.1 | 515.70 | 43.3 | 11.91 |
| 780.6 | 749.1 | 31.5 | 4.0 | April | 744.8 | 147.8 | 92.7 | 490.73 | 41.8 | 11.74 |
| INA | INA | INA | INA | May | 752.4 | 148.4 | 92.9 | 520.80 | 43.4 | 12.00 |

INA – information not available

## Cincinnati PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

| Total | Goods-Producing Industries | Construction | Manufacturing | | Service-Producing Industries | Transportation & Public Utilities | Wholesale Trade | Retail Trade | Finance, Insurance, & Real Estate | Services | Government |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 607 | 201 | 27 | 173 | 1979 | 406 | 34 | 38 | 102 | 32 | 117 | 83 |
| 601 | 188 | 25 | 162 | 1980 | 413 | 34 | 39 | 102 | 33 | 122 | 84 |
| 592 | 180 | 22 | 157 | 1981 | 412 | 33 | 38 | 102 | 33 | 124 | 82 |
| 575 | 167 | 20 | 146 | 1982 | 408 | 32 | 37 | 102 | 32 | 124 | 80 |
| 576 | 161 | 20 | 140 | 1983 | 414 | 31 | 37 | 105 | 33 | 130 | 79 |
| 601 | 167 | 22 | 145 | 1984 | 433 | 32 | 39 | 111 | 34 | 137 | 79 |
| 628 | 171 | 23 | 147 | 1985 | 457 | 34 | 41 | 118 | 36 | 147 | 81 |
| 651 | 174 | 26 | 148 | 1986 | 477 | 33 | 42 | 122 | 38 | 156 | 85 |
| 678 | 176 | 30 | 146 | 1987 | 502 | 36 | 44 | 127 | 40 | 168 | 87 |
| 702 | 178 | 32 | 146 | 1988 | 524 | 38 | 45 | 135 | 42 | 176 | 88 |
| 726 | 181 | 34 | 147 | 1989 | 545 | 39 | 48 | 142 | 43 | 183 | 90 |
| | | | | 1989 | | | | | | | |
| 719 | 180 | 34 | 145 | May | 539 | 39 | 47 | 140 | 43 | 180 | 89 |
| 723 | 181 | 34 | 146 | June | 542 | 39 | 47 | 142 | 43 | 182 | 90 |
| 726 | 181 | 34 | 146 | July | 545 | 39 | 48 | 142 | 43 | 183 | 90 |
| 729 | 181 | 34 | 147 | August | 547 | 40 | 48 | 143 | 43 | 183 | 91 |
| 730 | 182 | 34 | 148 | September | 548 | 40 | 48 | 144 | 43 | 184 | 90 |
| 733 | 183 | 34 | 148 | October | 551 | 40 | 48 | 145 | 43 | 185 | 90 |
| 737 | 183 | 35 | 148 | November | 554 | 40 | 49 | 145 | 43 | 188 | 90 |
| 740 | 184 | 35 | 148 | December | 556 | 40 | 49 | 146 | 43 | 189 | 90 |
| | | | | 1990 | | | | | | | |
| 741 | 186 | 35 | 150 | January | 555 | 41 | 48 | 147 | 43 | 185 | 91 |
| 744 | 187 | 36 | 151 | February | 557 | 41 | 49 | 148 | 43 | 186 | 91 |
| 746 | 186 | 36 | 150 | March | 560 | 41 | 49 | 149 | 43 | 188 | 91 |
| 746 | 185 | 36 | 149 | April | 561 | 41 | 49 | 150 | 43 | 187 | 91 |
| 748 | 186 | 36 | 149 | May | 563 | 41 | 49 | 150 | 43 | 188 | 92 |

## Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cincinnati PMSA

| | Employment (in thousands) | | | Change[d] (in thousands) | |
|---|---|---|---|---|---|
| | May 1990[b] | Apr. 1990[c] | May 1989[c] | From Last Month | From Last Year |
| **Total** | 752.4 | 744.8 | 722.9 | 7.6 | 29.5 |
| **Goods-Producing Industries**[e] | 185.0 | 183.1 | 179.4 | 1.9 | 5.6 |
| Construction | 36.2 | 34.8 | 34.3 | 1.4 | 1.9 |
| Manufacturing | 148.4 | 147.8 | 144.7 | .5 | 3.7 |
| Durable Goods[f] | 80.5 | 80.1 | 78.6 | .4 | 1.9 |
| Fabricated Metal Products | 12.2 | 12.3 | 12.3 | -.1 | -.1 |
| Fabricated Structural Metal Products | 4.6 | 4.6 | 4.4 | -.1 | .2 |
| Industrial Machinery and Equipment | 19.3 | 19.2 | 19.2 | .1 | .1 |
| Electronic and Other Electric Equipment | 7.8 | 7.8 | 7.8 | .0 | .0 |
| Transportation Equipment | 24.8 | 24.7 | 23.6 | .2 | 1.2 |
| Motor Vehicles and Equipment | 4.9 | 4.8 | 4.9 | .1 | .0 |
| Instruments and Related Products | 3.7 | 3.6 | 3.5 | .1 | .3 |
| Nondurable Goods[g] | 67.9 | 67.7 | 66.1 | .2 | 1.8 |
| Food and Kindred Products | 12.5 | 12.6 | 11.7 | -.2 | .8 |
| Beverages | 2.8 | 2.8 | 2.8 | .0 | .0 |
| Apparel and Other Textile Products | 3.4 | 3.3 | 3.6 | .1 | -.1 |
| Paper and Allied Products | 5.5 | 5.6 | 5.8 | .0 | -.3 |
| Printing and Publishing | 14.7 | 14.5 | 13.9 | .2 | .8 |
| Commercial Printing | 6.4 | 6.4 | 6.1 | .0 | .3 |
| Chemicals and Allied Products | 22.2 | 22.1 | 22.1 | .1 | .1 |
| Rubber and Miscellaneous Plastics Products | 6.8 | 6.8 | 6.5 | .0 | .4 |
| **Service-Producing Industries** | 567.4 | 561.7 | 543.5 | 5.7 | 23.9 |
| Transportation and Public Utilities | 40.9 | 40.6 | 38.9 | .2 | 1.9 |
| Transportation | 24.6 | 24.3 | 23.1 | .3 | 1.5 |
| Trucking and Warehousing | 11.1 | 11.0 | 10.4 | .1 | .7 |
| Transportation by Air | 6.5 | 6.5 | 6.0 | .0 | .5 |
| Communications, Electric, Gas Services | 16.3 | 16.3 | 15.9 | .0 | .4 |
| Communications | 9.6 | 9.7 | 9.7 | .0 | -.1 |
| Wholesale Trade | 49.3 | 49.2 | 47.2 | .1 | 2.1 |
| Wholesale Trade-Durable Goods | 29.0 | 29.0 | 28.1 | .0 | .9 |
| Retail Trade | 150.1 | 148.4 | 140.2 | 1.7 | 9.9 |
| General Merchandise Stores | 22.3 | 22.2 | 20.6 | .1 | 1.7 |
| Finance, Insurance, and Real Estate | 42.9 | 42.7 | 42.7 | .2 | .2 |
| Finance | 17.4 | 17.3 | 17.2 | .1 | .1 |
| Depository Institutions | 13.7 | 13.7 | 13.5 | .0 | .2 |
| Commercial Banks | 9.5 | 9.5 | 9.4 | .0 | .1 |
| Insurance | 17.0 | 17.0 | 17.2 | .0 | -.2 |
| Insurance Carriers | 14.2 | 14.2 | 14.5 | .0 | -.2 |
| Life Insurance | 6.7 | 6.7 | 7.0 | .0 | -.3 |
| Fire, Marine, and Casualty Insurance | 5.2 | 5.2 | 5.0 | .0 | .1 |
| Services | 190.0 | 187.2 | 182.5 | 2.8 | 7.5 |
| Hotels and Other Lodging Places | 7.7 | 7.5 | 7.4 | .3 | .3 |
| Personal Services | 8.6 | 9.0 | 8.1 | -.5 | .5 |
| Business Services | 37.2 | 36.9 | 35.4 | .3 | 1.9 |
| Services to Buildings | 6.3 | 6.2 | 5.8 | .1 | .4 |
| Computer and Data Processing Services | 4.8 | 4.7 | 4.3 | .0 | .5 |
| Amusements, Including Motion Pictures | 13.0 | 11.3 | 13.0 | 1.7 | .0 |
| Health Services | 57.5 | 57.2 | 55.2 | .4 | 2.3 |
| Nursing and Personal Care Facilities | 11.1 | 11.0 | 10.7 | .1 | .4 |
| Hospitals | 27.5 | 27.3 | 26.5 | .2 | 1.0 |
| Legal Services | 4.5 | 4.4 | 4.2 | .1 | .3 |
| Educational Services | 7.0 | 7.1 | 7.1 | -.1 | -.1 |
| Social Services | 12.4 | 12.2 | 11.7 | .1 | .6 |
| Residential Care | 4.9 | 4.8 | 4.6 | .0 | .3 |
| Engineering and Management Services | 16.9 | 16.7 | 16.2 | .2 | .8 |
| Engineering and Architectural Services | 5.8 | 5.7 | 5.5 | .1 | .3 |
| Government | 94.1 | 93.5 | 91.9 | .6 | 2.2 |
| Federal Government | 17.2 | 17.5 | 16.1 | -.3 | 1.2 |
| State Government | 21.3 | 21.4 | 20.8 | -.1 | .5 |
| State Government Education[h] | 13.1 | 13.2 | 12.8 | -.1 | .2 |
| Local Government | 55.6 | 54.6 | 55.0 | .9 | .5 |
| Local Government Education | 31.5 | 31.0 | 31.6 | .5 | -.1 |

## Hours and Earnings of Production or Nonsupervisory Workers[a]

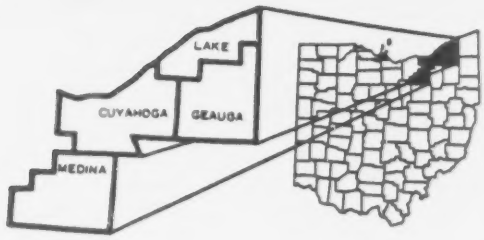
Not Seasonally Adjusted

Cincinnati PMSA

| | Average Weekly Earnings | | | Average Weekly Hours | | | Average Hourly Earnings | | |
|---|---|---|---|---|---|---|---|---|---|
| | May 1990[b] | Apr. 1990[c] | May 1989[c] | May 1990[b] | Apr. 1990[c] | May 1989[c] | May 1990[b] | Apr. 1990[c] | May 1989[c] |
| Manufacturing | $520.80 | $490.73 | $487.90 | 43.4 | 41.8 | 42.5 | $12.00 | $11.74 | $11.48 |
| Durable Goods[f] | 521.97 | 483.42 | 483.64 | 43.9 | 42.0 | 42.8 | 11.89 | 11.51 | 11.30 |
| Fabricated Metal Products | 455.99 | 412.72 | 402.27 | 44.4 | 42.2 | 41.6 | 10.27 | 9.78 | 9.67 |
| Fabricated Structural Metal Products | 546.11 | 454.37 | 436.58 | 48.2 | 43.9 | 41.5 | 11.33 | 10.35 | 10.52 |
| Industrial Machinery and Equipment | 470.30 | 444.70 | 460.75 | 42.6 | 41.1 | 42.9 | 11.04 | 10.82 | 10.74 |
| Electronic and Other Electric Equipment | 399.08 | 375.05 | 360.69 | 42.5 | 40.9 | 40.3 | 9.39 | 9.17 | 8.95 |
| Transportation Equipment | 804.38 | 726.64 | 740.12 | 47.4 | 43.8 | 46.2 | 16.97 | 16.59 | 16.02 |
| Motor Vehicles and Equipment | 950.13 | 826.52 | 855.85 | 51.0 | 46.2 | 49.3 | 18.63 | 17.89 | 17.36 |
| Instruments and Related Products | 390.24 | 371.78 | 356.33 | 43.7 | 42.2 | 44.1 | 8.93 | 8.81 | 8.08 |
| Nondurable Goods[g] | 519.95 | 497.17 | 492.80 | 42.9 | 41.5 | 42.3 | 12.12 | 11.98 | 11.65 |
| Food and Kindred Products | 480.70 | 486.36 | 502.79 | 41.8 | 42.0 | 42.9 | 11.50 | 11.58 | 11.72 |
| Beverages | 584.80 | 588.82 | 511.19 | 43.0 | 43.2 | 40.7 | 13.60 | 13.63 | 12.56 |
| Apparel and Other Textile Products | 274.00 | 268.80 | 232.99 | 40.0 | 38.9 | 37.7 | 6.85 | 6.91 | 6.18 |
| Paper and Allied Products | 453.88 | 429.86 | 470.67 | 42.3 | 40.4 | 43.5 | 10.73 | 10.64 | 10.82 |
| Printing and Publishing | 503.32 | 492.38 | 452.31 | 41.7 | 41.1 | 39.4 | 12.07 | 11.98 | 11.48 |
| Commercial Printing | 521.89 | 510.51 | 469.77 | 43.6 | 42.9 | 41.1 | 11.97 | 11.90 | 11.43 |
| Chemicals and Allied Products | 657.98 | 618.62 | 585.50 | 44.7 | 42.9 | 42.8 | 14.72 | 14.42 | 13.68 |
| Rubber and Miscellaneous Plastics Products | 436.92 | 397.23 | 445.06 | 44.0 | 40.7 | 45.6 | 9.93 | 9.76 | 9.76 |
| Transportation and Public Utilities | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Communications, Electric, Gas Services | 582.40 | 587.45 | 581.60 | 39.7 | 39.8 | 40.7 | 14.67 | 14.76 | 14.29 |
| Communications | 577.73 | 586.61 | 579.28 | 38.8 | 38.9 | 40.2 | 14.89 | 15.08 | 14.41 |
| Wholesale Trade | 446.95 | 439.31 | 421.29 | 39.8 | 39.4 | 38.9 | 11.23 | 11.15 | 10.83 |
| Retail Trade[i] | 176.59 | 174.22 | 169.06 | 28.3 | 28.1 | 28.8 | 6.24 | 6.20 | 5.87 |
| General Merchandise Stores | 219.55 | 217.92 | 201.80 | 30.2 | 30.1 | 30.3 | 7.27 | 7.24 | 6.66 |
| Finance, Insurance, and Real Estate | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Finance | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Depository Institutions | 300.89 | 301.48 | 280.18 | .... | .... | .... | ..... | ..... | ..... |
| Commercial Banks | 272.73 | 273.42 | 260.78 | .... | .... | .... | ..... | ..... | ..... |
| Insurance | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Insurance Carriers | 415.61 | 414.19 | 397.10 | .... | .... | .... | ..... | ..... | ..... |
| Life Insurance | 424.68 | 423.32 | 407.87 | .... | .... | .... | ..... | ..... | ..... |
| Fire, Marine, and Casualty Insurance | 432.45 | 425.47 | 400.56 | .... | .... | .... | ..... | ..... | ..... |
| Services | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Health Services | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Hospitals | 432.28 | 431.31 | 374.60 | 32.6 | 32.7 | 31.4 | 13.26 | 13.19 | 11.93 |
| Engineering and Management Services | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Engineering and Architectural Services | 649.90 | 660.74 | 595.63 | 40.9 | 41.4 | 40.3 | 15.89 | 15.96 | 14.78 |

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

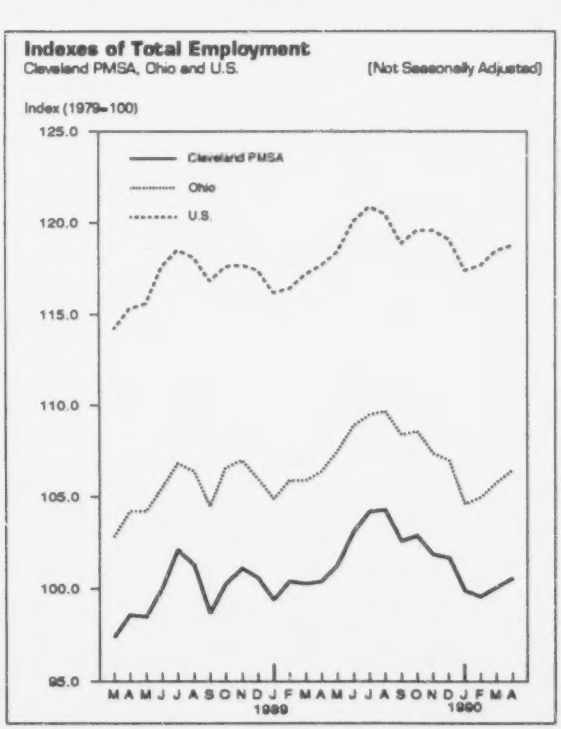
# CLEVELAND
## PRIMARY METROPOLITAN STATISTICAL AREA

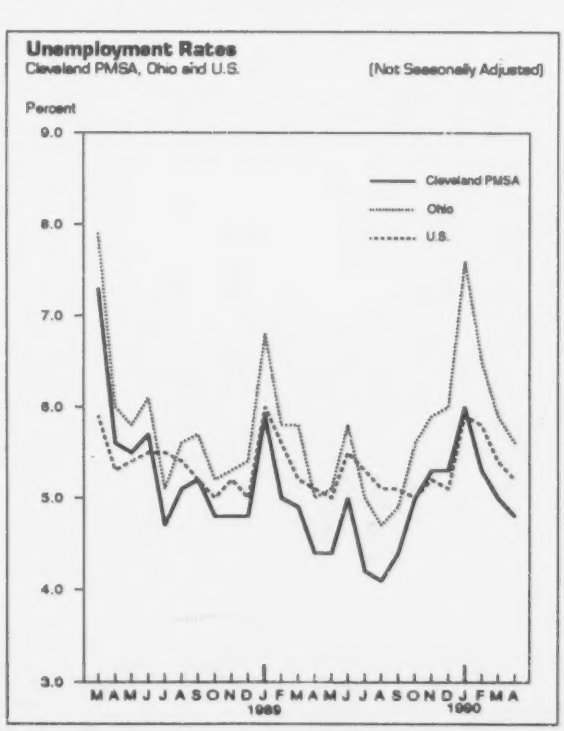



In the Cleveland metropolitan area, nonfarm payroll employment rose 9,900 above the April level to 957,000 in May 1990. Cyclical upturns in retail trade and in services, especially amusements, including motion pictures, increased the workforce in service-producing industries 7,100. Employment in goods-producing industries, at 242,400, was 2,900 higher than last month primarily due to more business in construction. Manufacturing production workers averaged $12.21 per hour, up 22 cents from April. Their average workweek of 43.2 hours was 1.6 hours longer.

Nonagricultural wage and salary employment advanced 23,300 between May 1989 and May 1990. A major portion of the improvement occurred in service-producing industries. Leading growth sectors were services (+8,600) and retail trade (+6,300). Noteworthy gains were also posted in local government, wholesale trade, finance, insurance, and real estate, and transportation and public utilities. Moderate expansion in construction employment, particularly special trade contractors, increased goods-producing industries 1,200 during the period.

Seasonally adjusted employment in the Cleveland area totaled 955,000 in May 1990, up 1,000 from April due to scattered gains in service-producing industries. Since May 1989, total payroll employment advanced 23,000. Noteworthy expansion was posted in services (+9,000) and retail trade (+6,000).



## Cleveland PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

| Civilian Labor Force | | | | | Nonagricultural Wage & Salary Employment | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Manufacturing Employment | | | | |
| | | | | | | | Manufacturing Production Workers | | | |
| | | | | | | | | Hours & Earnings | | |
| Total | Employed | Unemployed | | | | | | Average Weekly Earnings | Average Weekly Hours | Average Hourly Earnings |
| | | Total | Rate | | | | | | | |
| 935.8 | 889.1 | 46.7 | 5.0 | 1979 | 919.8 | 276.3 | 188.6 | $337.60 | 42.2 | $8.00 |
| 937.1 | 869.1 | 68.0 | 7.3 | 1980 | 895.7 | 254.9 | 165.2 | 350.38 | 40.6 | 8.63 |
| 933.9 | 854.0 | 79.8 | 8.5 | 1981 | 880.7 | 246.8 | 161.8 | 395.38 | 41.1 | 9.62 |
| 933.4 | 833.2 | 100.2 | 10.7 | 1982 | 844.6 | 223.0 | 141.8 | 402.99 | 39.9 | 10.10 |
| 928.7 | 823.4 | 105.3 | 11.3 | 1983 | 829.8 | 207.3 | 132.4 | 427.41 | 40.9 | 10.45 |
| 923.6 | 841.0 | 82.6 | 8.9 | 1984 | 854.5 | 213.8 | 137.5 | 456.12 | 42.0 | 10.86 |
| 926.0 | 849.2 | 76.8 | 8.3 | 1985 | 868.7 | 211.2 | 135.1 | 467.74 | 41.8 | 11.19 |
| 932.8 | 862.7 | 70.1 | 7.5 | 1986 | 879.2 | 204.9 | 131.5 | 481.62 | 42.1 | 11.44 |
| 927.0 | 869.0 | 58.0 | 6.3 | 1987 | 891.6 | 200.6 | 128.3 | 496.35 | 42.9 | 11.57 |
| 936.5 | 885.0 | 51.4 | 5.5 | 1988 | 911.3 | 203.3 | 131.1 | 508.65 | 43.4 | 11.72 |
| 951.7 | 905.7 | 46.0 | 4.8 | 1989 | 935.2 | 207.0 | 133.3 | 509.87 | 43.1 | 11.83 |
| | | | | 1989 | | | | | | |
| 942.6 | 900.7 | 41.9 | 4.4 | May | 933.8 | 207.1 | 133.4 | 511.49 | 43.2 | 11.84 |
| 964.9 | 916.3 | 48.6 | 5.0 | June | 944.6 | 208.4 | 133.9 | 511.69 | 43.4 | 11.79 |
| 967.2 | 926.4 | 40.8 | 4.2 | July | 943.5 | 206.0 | 131.7 | 484.78 | 41.9 | 11.57 |
| 967.4 | 927.6 | 39.8 | 4.1 | August | 941.6 | 206.6 | 132.1 | 494.49 | 42.3 | 11.69 |
| 953.8 | 912.1 | 41.6 | 4.4 | September | 945.9 | 207.7 | 133.3 | 517.65 | 43.5 | 11.90 |
| 963.3 | 915.2 | 48.1 | 5.0 | October | 947.7 | 207.4 | 133.3 | 507.94 | 42.9 | 11.84 |
| 956.2 | 905.8 | 50.5 | 5.3 | November | 949.2 | 207.9 | 133.7 | 509.98 | 43.0 | 11.86 |
| 954.9 | 904.0 | 50.9 | 5.3 | December | 953.5 | 208.2 | 133.8 | 511.70 | 43.0 | 11.90 |
| | | | | 1990 | | | | | | |
| 945.1 | 888.0 | 57.1 | 6.0 | January | 926.5 | 205.6 | 131.3 | 495.33 | 42.3 | 11.71 |
| 935.5 | 885.7 | 49.8 | 5.3 | February | 928.4 | 206.6 | 132.3 | 502.60 | 42.2 | 11.91 |
| 936.8 | 890.1 | 46.7 | 5.0 | March | 936.0 | 206.1 | 131.8 | 522.88 | 43.0 | 12.16 |
| 939.7 | 894.8 | 44.9 | 4.8 | April | 947.1 | 206.7 | 132.1 | 498.78 | 41.6 | 11.99 |
| INA | INA | INA | INA | May | 957.0 | 207.0 | 132.3 | 527.47 | 43.2 | 12.21 |

INA – information not available

## Cleveland PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

| Total | Goods-Producing Industries | Construction | Manufacturing | | Service-Producing Industries | Transportation & Public Utilities | Wholesale Trade | Retail Trade | Finance, Insurance, & Real Estate | Services | Government |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 920 | 311 | 34 | 276 | 1979 | 608 | 48 | 66 | 147 | 48 | 182 | 118 |
| 896 | 286 | 30 | 255 | 1980 | 610 | 46 | 64 | 141 | 48 | 188 | 123 |
| 881 | 276 | 28 | 247 | 1981 | 605 | 45 | 63 | 137 | 48 | 192 | 120 |
| 845 | 249 | 25 | 223 | 1982 | 595 | 43 | 61 | 134 | 48 | 192 | 117 |
| 830 | 234 | 25 | 207 | 1983 | 596 | 41 | 59 | 136 | 48 | 196 | 116 |
| 854 | 243 | 28 | 214 | 1984 | 612 | 42 | 62 | 141 | 49 | 204 | 115 |
| 869 | 240 | 28 | 211 | 1985 | 629 | 41 | 63 | 146 | 50 | 213 | 116 |
| 879 | 232 | 26 | 205 | 1986 | 647 | 41 | 62 | 150 | 52 | 225 | 116 |
| 892 | 230 | 28 | 201 | 1987 | 662 | 41 | 61 | 154 | 55 | 233 | 117 |
| 911 | 234 | 29 | 203 | 1988 | 678 | 41 | 64 | 157 | 56 | 243 | 116 |
| 935 | 241 | 33 | 207 | 1989 | 694 | 42 | 66 | 159 | 57 | 252 | 118 |
| | | | | 1989 | | | | | | | |
| 932 | 241 | 33 | 207 | May | 691 | 42 | 66 | 158 | 57 | 250 | 118 |
| 934 | 241 | 33 | 207 | June | 693 | 42 | 66 | 158 | 57 | 251 | 118 |
| 934 | 240 | 33 | 206 | July | 694 | 42 | 66 | 159 | 57 | 253 | 117 |
| 935 | 241 | 33 | 207 | August | 694 | 42 | 67 | 160 | 57 | 253 | 116 |
| 939 | 241 | 33 | 207 | September | 698 | 42 | 67 | 160 | 57 | 253 | 119 |
| 941 | 241 | 33 | 207 | October | 700 | 42 | 67 | 160 | 57 | 253 | 120 |
| 941 | 241 | 33 | 207 | November | 700 | 43 | 67 | 161 | 57 | 254 | 119 |
| 944 | 242 | 34 | 207 | December | 702 | 43 | 67 | 161 | 57 | 255 | 119 |
| | | | | 1990 | | | | | | | |
| 945 | 241 | 33 | 207 | January | 704 | 43 | 67 | 161 | 58 | 255 | 120 |
| 949 | 243 | 34 | 208 | February | 706 | 43 | 68 | 162 | 57 | 256 | 120 |
| 952 | 242 | 34 | 207 | March | 710 | 43 | 68 | 163 | 58 | 258 | 121 |
| 954 | 242 | 34 | 208 | April | 711 | 43 | 68 | 164 | 58 | 258 | 120 |
| 955 | 242 | 34 | 207 | May | 713 | 43 | 68 | 164 | 58 | 259 | 120 |

## Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cleveland PMSA

| | Employment (in thousands) | | | Change[d] (in thousands) | |
|---|---|---|---|---|---|
| | May 1990[b] | Apr. 1990[c] | May 1989[c] | From Last Month | From Last Year |
| **Total** | 957.0 | 947.1 | 933.8 | 9.9 | 23.3 |
| **Goods-Producing Industries**[e] | 242.4 | 239.5 | 241.1 | 2.9 | 1.2 |
| Construction | 34.5 | 32.0 | 33.2 | 2.6 | 1.3 |
| Special Trade Contractors | 23.5 | 21.7 | 22.4 | 1.8 | 1.1 |
| Manufacturing | 207.0 | 206.7 | 207.1 | .3 | -.2 |
| Durable Goods[f] | 141.2 | 141.4 | 142.3 | -.2 | -1.1 |
| Stone, Clay, and Glass Products | 3.8 | 3.7 | 3.6 | .0 | .1 |
| Primary Metal Industries | 21.0 | 20.9 | 21.4 | .1 | -.4 |
| Iron and Steel Foundries | 4.4 | 4.5 | 4.7 | .0 | -.2 |
| Fabricated Metal Products | 34.3 | 34.2 | 34.2 | .1 | .1 |
| Screw Machine Products, Bolts, etc. | 5.0 | 4.9 | 5.2 | .0 | -.3 |
| Metal Forgings and Stampings | 10.9 | 11.0 | 11.0 | -.1 | -.1 |
| Industrial Machinery and Equipment | 33.1 | 33.3 | 33.7 | -.2 | -.6 |
| Metalworking Machinery | 12.9 | 13.0 | 13.0 | -.1 | -.1 |
| Electronic and Other Electric Equipment | 15.3 | 15.3 | 15.4 | .0 | .0 |
| Electrical Industrial Apparatus | 4.2 | 4.2 | 4.4 | .0 | -.1 |
| Electric Lighting and Wiring Equipment | 5.3 | 5.2 | 5.2 | .0 | .1 |
| Transportation Equipment | 19.4 | 19.5 | 19.7 | -.1 | -.3 |
| Motor Vehicles and Equipment | 12.2 | 12.3 | 12.4 | -.1 | -.2 |
| Instruments and Related Products | 7.0 | 7.0 | 7.2 | .0 | -.2 |
| Measuring and Controlling Devices | 5.0 | 5.0 | 4.9 | .0 | .1 |
| Nondurable Goods[g] | 65.7 | 65.3 | 64.8 | .5 | .9 |
| Food and Kindred Products | 6.6 | 6.6 | 6.6 | .0 | .0 |
| Apparel and Other Textile Products | 3.2 | 3.2 | 3.3 | .0 | -.1 |
| Paper and Allied Products | 5.8 | 5.8 | 5.9 | .0 | -.1 |
| Printing and Publishing | 17.2 | 17.1 | 16.6 | .1 | .5 |
| Chemicals and Allied Products | 14.8 | 14.7 | 14.6 | .1 | .1 |
| Rubber and Miscellaneous Plastics Products | 12.2 | 12.0 | 11.9 | .2 | .4 |
| Miscellaneous Plastics Products | 7.9 | 7.7 | 7.1 | .2 | .8 |
| **Service-Producing Industries** | 714.7 | 707.6 | 692.6 | 7.1 | 22.0 |
| Transportation and Public Utilities | 43.0 | 42.6 | 42.0 | .4 | 1.0 |
| Transportation | 25.8 | 25.4 | 24.5 | .5 | 1.3 |
| Trucking and Warehousing | 11.5 | 11.3 | 11.3 | .2 | .2 |
| Transportation by Air | 5.3 | 5.3 | 4.8 | .1 | .5 |
| Communications, Electric, Gas Services | 17.2 | 17.3 | 17.5 | -.1 | -.3 |
| Communications | 10.1 | 10.2 | 10.4 | -.1 | -.3 |
| Electric, Gas, and Sanitary Services | 7.1 | 7.1 | 7.2 | .0 | .0 |
| Wholesale Trade | 68.4 | 67.9 | 66.0 | .4 | 2.4 |
| Wholesale Trade-Durable Goods | 46.6 | 46.3 | 45.1 | .3 | 1.5 |
| Motor Vehicles, Parts, and Supplies | 4.1 | 4.0 | 4.2 | .1 | -.1 |
| Professional and Commercial Equipment | 9.1 | 9.2 | 9.0 | -.1 | .1 |
| Retail Trade | 163.7 | 161.1 | 157.4 | 2.6 | 6.3 |
| General Merchandise Stores | 20.9 | 20.7 | 20.1 | .2 | .8 |
| Finance, Insurance, and Real Estate | 57.8 | 57.3 | 56.5 | .4 | 1.2 |
| Finance | 28.0 | 27.9 | 27.5 | .1 | .5 |
| Depository Institutions | 20.7 | 20.6 | 20.3 | .1 | .4 |
| Commercial Banks | 13.0 | 13.0 | 12.8 | .0 | .2 |
| Insurance | 18.7 | 18.5 | 18.4 | .1 | .3 |
| Insurance Carriers | 14.1 | 14.0 | 13.9 | .1 | .2 |
| Fire, Marine, and Casualty Insurance | 6.4 | 6.4 | 6.3 | .0 | .2 |
| Services | 260.5 | 258.0 | 251.9 | 2.6 | 8.6 |
| Business Services | 54.4 | 53.7 | 51.1 | .7 | 3.3 |
| Personnel Supply Services | 20.8 | 20.3 | 19.3 | .4 | 1.5 |
| Computer and Data Processing Services | 6.9 | 6.8 | 6.4 | .1 | .6 |
| Amusements, Including Motion Pictures | 12.2 | 11.0 | 12.4 | 1.2 | -.3 |
| Health Services | 79.4 | 79.2 | 77.9 | .2 | 1.5 |
| Nursing and Personal Care Facilities | 13.6 | 13.5 | 13.2 | .1 | .4 |
| Hospitals | 43.7 | 43.7 | 43.5 | .0 | .3 |
| Legal Services | 9.7 | 9.6 | 9.3 | .1 | .4 |
| Educational Services | 18.8 | 19.0 | 18.7 | -.1 | .1 |
| Social Services | 13.9 | 13.9 | 13.2 | .1 | .8 |
| Residential Care | 3.8 | 3.7 | 3.5 | .1 | .3 |
| Engineering and Management Services | 21.8 | 21.7 | 20.8 | .1 | .9 |
| Engineering and Architectural Services | 8.1 | 8.0 | 7.6 | .1 | .5 |
| Accounting, Auditing, and Bookkeeping | 6.4 | 6.5 | 6.4 | -.1 | .0 |
| Management and Public Relations | 4.6 | 4.6 | 4.3 | .0 | .4 |
| Government | 121.3 | 120.6 | 118.7 | .7 | 2.6 |
| Federal Government | 20.6 | 20.4 | 20.7 | .2 | -.1 |
| State Government | 7.8 | 8.2 | 8.0 | -.4 | -.1 |
| State Government Education[h] | 2.9 | 3.1 | 3.1 | -.2 | -.1 |
| Local Government | 92.8 | 92.0 | 90.0 | .8 | 2.8 |
| Local Government Education | 48.0 | 47.8 | 46.7 | .3 | 1.3 |

## Hours and Earnings of Production or Nonsupervisory Workers[a]

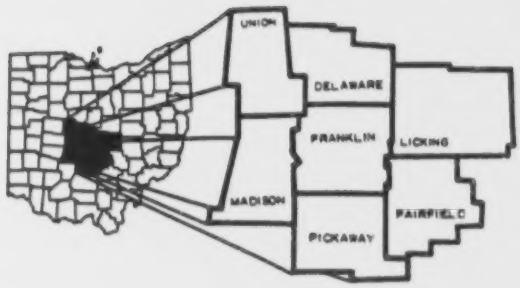
Not Seasonally Adjusted

Cleveland PMSA

| | Average Weekly Earnings | | | Average Weekly Hours | | | Average Hourly Earnings | | |
|---|---|---|---|---|---|---|---|---|---|
| | May 1990[b] | Apr. 1990[c] | May 1989[c] | May 1990[b] | Apr. 1990[c] | May 1989[c] | May 1990[b] | Apr. 1990[c] | May 1989[c] |
| Manufacturing | $527.47 | $498.78 | $511.49 | 43.2 | 41.6 | 43.2 | $12.21 | $11.99 | $11.84 |
| Durable Goods[f] | 564.04 | 531.29 | 542.52 | 44.1 | 42.3 | 44.0 | 12.79 | 12.56 | 12.33 |
| Stone, Clay, and Glass Products | 512.66 | 494.27 | 477.43 | 42.9 | 41.5 | 41.3 | 11.95 | 11.91 | 11.56 |
| Primary Metal Industries | 565.90 | 532.82 | 554.02 | 45.2 | 42.9 | 45.3 | 12.52 | 12.42 | 12.23 |
| Iron and Steel Foundries | 950.90 | 904.80 | 917.45 | 50.1 | 48.0 | 51.6 | 18.98 | 18.85 | 17.78 |
| Fabricated Metal Products | 556.77 | 521.25 | 550.29 | 43.6 | 41.6 | 44.2 | 12.77 | 12.53 | 12.45 |
| Screw Machine Products, Bolts, etc. | 556.96 | 489.76 | 565.65 | 44.7 | 41.4 | 45.0 | 12.46 | 11.83 | 12.57 |
| Metal Forgings and Stampings | 709.15 | 664.66 | 676.01 | 45.4 | 43.3 | 45.4 | 15.62 | 15.35 | 14.89 |
| Industrial Machinery and Equipment | 573.02 | 534.26 | 523.18 | 46.1 | 43.9 | 44.3 | 12.43 | 12.17 | 11.81 |
| Metalworking Machinery | 564.33 | 558.10 | 524.92 | 46.6 | 46.2 | 44.0 | 12.11 | 12.08 | 11.93 |
| Electronic and Other Electric Equipment | 420.16 | 416.64 | 431.76 | 40.4 | 40.1 | 42.0 | 10.40 | 10.39 | 10.28 |
| Electrical Industrial Apparatus | 459.88 | 409.82 | 449.98 | 43.1 | 40.1 | 43.9 | 10.67 | 10.22 | 10.25 |
| Electric Lighting and Wiring Equipment | 367.29 | 367.78 | 381.02 | 37.1 | 37.0 | 39.2 | 9.90 | 9.94 | 9.72 |
| Transportation Equipment | 752.30 | 695.84 | 720.56 | 44.7 | 42.3 | 44.7 | 16.83 | 16.45 | 16.12 |
| Motor Vehicles and Equipment | 846.85 | 766.55 | 810.98 | 46.2 | 42.8 | 46.0 | 18.33 | 17.91 | 17.63 |
| Instruments and Related Products | 451.52 | 429.60 | 404.74 | 41.5 | 40.0 | 41.3 | 10.88 | 10.74 | 9.80 |
| Measuring and Controlling Devices | 447.98 | 441.86 | 450.92 | 40.8 | 40.5 | 42.3 | 10.98 | 10.91 | 10.66 |
| Nondurable Goods[g] | 440.43 | 420.40 | 430.91 | 41.2 | 40.0 | 41.0 | 10.69 | 10.51 | 10.51 |
| Food and Kindred Products | 449.84 | 428.06 | 473.06 | 40.2 | 39.2 | 43.4 | 11.19 | 10.92 | 10.90 |
| Apparel and Other Textile Products | 364.22 | 367.84 | 365.77 | 37.9 | 38.0 | 38.3 | 9.61 | 9.68 | 9.55 |
| Paper and Allied Products | 522.27 | 469.54 | 473.76 | 44.6 | 41.7 | 42.3 | 11.71 | 11.26 | 11.20 |
| Printing and Publishing | 384.92 | 383.03 | 367.16 | 37.7 | 37.7 | 37.2 | 10.21 | 10.16 | 9.87 |
| Chemicals and Allied Products | 541.88 | 533.39 | 545.49 | 42.5 | 41.9 | 43.5 | 12.75 | 12.73 | 12.54 |
| Rubber and Miscellaneous Plastics Products | 376.80 | 350.07 | 376.00 | 42.1 | 40.1 | 42.2 | 8.95 | 8.73 | 8.91 |
| Miscellaneous Plastics Products | 382.02 | 356.81 | 385.20 | 42.4 | 40.5 | 42.8 | 9.01 | 8.81 | 9.00 |
| Transportation and Public Utilities | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Transportation | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Trucking and Warehousing | 513.07 | 490.64 | 489.96 | 36.7 | 35.4 | 36.0 | 13.98 | 13.86 | 13.61 |
| Communications, Electric, Gas Services | 622.40 | 623.76 | 615.45 | 40.6 | 40.4 | 41.5 | 15.33 | 15.44 | 14.83 |
| Wholesale Trade | 458.20 | 455.90 | 445.28 | 39.5 | 39.2 | 39.9 | 11.60 | 11.63 | 11.16 |
| Retail Trade[f] | 190.58 | 189.61 | 183.58 | 27.7 | 27.4 | 27.4 | 6.88 | 6.92 | 6.70 |
| General Merchandise Stores | 187.25 | 186.87 | 187.25 | 27.7 | 27.4 | 27.7 | 6.76 | 6.82 | 6.76 |
| Finance, Insurance, and Real Estate | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Finance | 324.28 | 322.76 | 324.24 | .... | .... | .... | ..... | ..... | ..... |
| Depository Institutions | 298.58 | 297.34 | 300.00 | .... | .... | .... | ..... | ..... | ..... |
| Commercial Banks | 290.61 | 291.45 | 301.50 | .... | .... | .... | ..... | ..... | ..... |
| Services | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Health Services | 332.41 | 333.78 | 318.15 | 31.3 | 31.4 | 31.1 | 10.62 | 10.63 | 10.23 |
| Nursing and Personal Care Facilities | 242.76 | 245.28 | 212.80 | 33.3 | 33.6 | 32.0 | 7.29 | 7.30 | 6.65 |
| Hospitals | 363.87 | 363.87 | 349.45 | 30.5 | 30.5 | 30.6 | 11.93 | 11.93 | 11.42 |

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

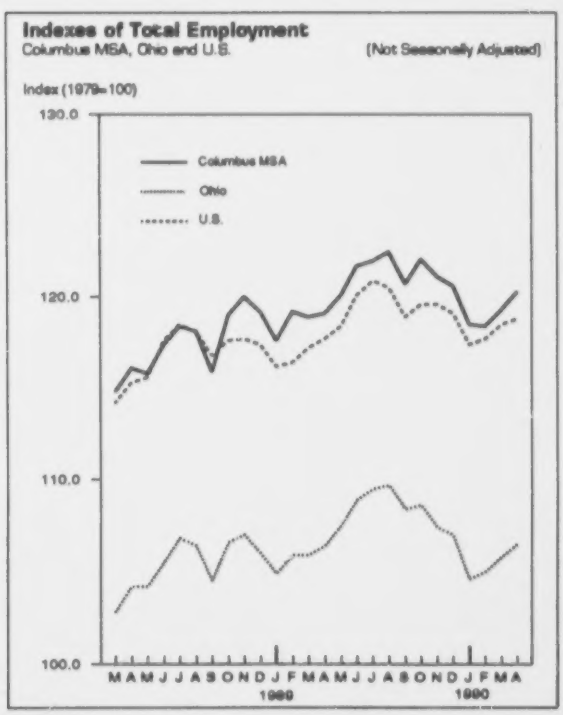
# COLUMBUS METROPOLITAN STATISTICAL AREA

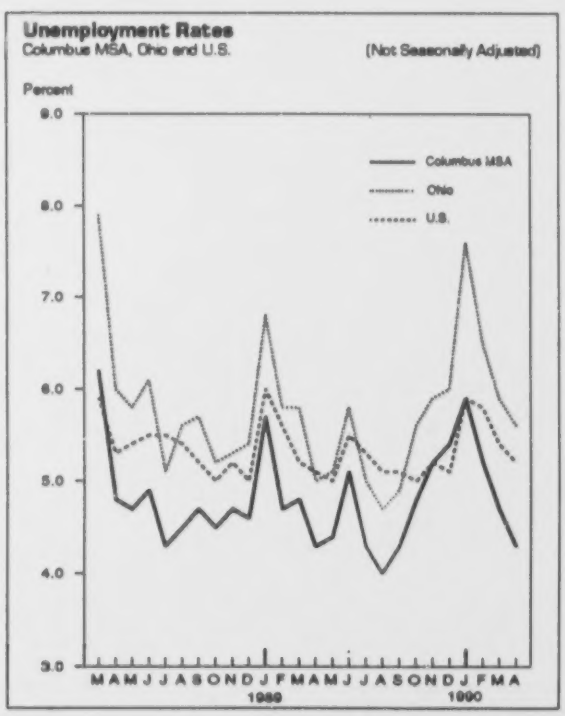



Nonfarm payroll employment in the Columbus metropolitan area totaled 726,600 in May 1990, up 6,900 from the April level. More business in retail trade and services raised employment in the service-producing sector 5,100. The number of employees in goods-producing industries increased 1,800 over the month to 136,500 due to a seasonal upturn in construction. Manufacturing production workers averaged $12.35 per hour, 9 cents higher than April. Their average workweek was 0.9 hours longer at 41.8 hours.

Nonagricultural wage and salary employment advanced 25,000 between May 1989 and May 1990. Gains in service-producing industries contributed 92.0 percent of the change. Primary growth sectors were services (+8,900) and retail trade (+7,400). Noteworthy increases were also posted in state and local government, wholesale trade, and finance, insurance, and real estate. The workforce in goods-producing industries added 2,100 jobs during the period due to modest expansion in construction and in manufacturing. Improvements occurred in transportation equipment, stone, clay, and glass products, and food and kindred products.

Seasonally adjusted employment in the Columbus area totaled 724,000 in May 1990, up 3,000 from April. Slight increases were recorded in manufacturing and services. Since May 1989, total payroll employment advanced 25,000. Notable growth was registered in services, retail trade, and government.



## Columbus MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

| Civilian Labor Force | | | | | Nonagricultural Wage & Salary Employment | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Manufacturing Employment | | | | |
| | | | | | | | Manufacturing Production Workers | | | |
| | | | | | | | | Hours & Earnings | | |
| Total | Employed | Unemployed | | | | | | Average Weekly Earnings | Average Weekly Hours | Average Hourly Earnings |
| | | Total | Rate | | | | | | | |
| INA | INA | INA | INA | 1979 | 558.5 | 117.8 | INA | INA | INA | INA |
| INA | INA | INA | INA | 1980 | 560.2 | 112.6 | INA | INA | INA | INA |
| INA | INA | INA | INA | 1981 | 556.9 | 109.1 | INA | INA | INA | INA |
| INA | INA | INA | INA | 1982 | 544.0 | 101.0 | INA | INA | INA | INA |
| 647.7 | 587.4 | 60.3 | 9.3 | 1983 | 548.5 | 98.7 | INA | INA | INA | INA |
| 633.5 | 584.3 | 49.2 | 7.8 | 1984 | 576.4 | 104.7 | 69.3 | $426.06 | 40.5 | $10.52 |
| 649.4 | 605.6 | 43.8 | 6.7 | 1985 | 603.6 | 106.1 | 70.8 | 442.95 | 40.9 | 10.83 |
| 676.2 | 634.9 | 41.3 | 6.1 | 1986 | 630.7 | 105.8 | 70.4 | 461.14 | 41.1 | 11.22 |
| 694.9 | 657.2 | 37.7 | 5.4 | 1987 | 658.0 | 103.9 | 68.7 | 473.52 | 41.5 | 11.41 |
| 711.2 | 676.2 | 35.0 | 4.9 | 1988 | 680.5 | 102.6 | 67.9 | 479.33 | 41.5 | 11.55 |
| 730.3 | 695.6 | 34.7 | 4.8 | 1989 | 701.7 | 104.8 | 69.5 | 500.82 | 41.7 | 12.01 |
| | | | | 1989 | | | | | | |
| 725.7 | 693.6 | 32.1 | 4.4 | May | 701.6 | 104.4 | 68.9 | 493.90 | 41.4 | 11.93 |
| 740.4 | 703.0 | 37.4 | 5.1 | June | 706.7 | 105.0 | 69.3 | 493.54 | 41.3 | 11.95 |
| 735.9 | 704.4 | 31.5 | 4.3 | July | 699.0 | 105.1 | 69.4 | 496.84 | 41.3 | 12.03 |
| 736.7 | 707.5 | 29.2 | 4.0 | August | 700.7 | 105.2 | 69.8 | 496.39 | 41.4 | 11.99 |
| 728.2 | 697.0 | 31.2 | 4.3 | September | 706.2 | 106.1 | 70.7 | 504.15 | 41.7 | 12.09 |
| 740.3 | 704.9 | 35.4 | 4.8 | October | 712.9 | 105.5 | 70.5 | 512.02 | 41.9 | 12.22 |
| 737.5 | 699.1 | 38.5 | 5.2 | November | 716.6 | 105.9 | 71.2 | 519.82 | 42.4 | 12.26 |
| 736.1 | 696.2 | 39.9 | 5.4 | December | 718.6 | 105.2 | 70.6 | 525.64 | 42.7 | 12.31 |
| | | | | 1990 | | | | | | |
| 727.2 | 684.3 | 42.9 | 5.9 | January | 698.9 | 103.6 | 69.0 | 516.57 | 42.1 | 12.27 |
| 720.9 | 683.7 | 37.2 | 5.2 | February | 701.8 | 104.2 | 69.5 | 520.36 | 42.1 | 12.36 |
| 722.8 | 689.0 | 33.8 | 4.7 | March | 709.1 | 104.2 | 69.8 | 512.10 | 41.6 | 12.31 |
| 726.0 | 694.7 | 31.2 | 4.3 | April | 719.7 | 104.8 | 70.2 | 501.43 | 40.9 | 12.26 |
| INA | INA | INA | INA | May | 726.6 | 105.2 | 70.4 | 516.23 | 41.8 | 12.35 |

INA – information not available

## Columbus MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

| Total | Goods-Producing Industries | Construction | Manufacturing | | Service-Producing Industries | Transportation & Public Utilities | Wholesale Trade | Retail Trade | Finance, Insurance, & Real Estate | Services | Government |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 558 | 142 | 23 | 118 | 1979 | 416 | 27 | 29 | 101 | 38 | 109 | 112 |
| 560 | 135 | 21 | 113 | 1980 | 425 | 27 | 29 | 101 | 40 | 113 | 115 |
| 557 | 130 | 19 | 109 | 1981 | 427 | 26 | 29 | 101 | 42 | 116 | 113 |
| 544 | 118 | 16 | 101 | 1982 | 426 | 25 | 28 | 100 | 44 | 117 | 111 |
| 548 | 117 | 17 | 99 | 1983 | 432 | 25 | 29 | 103 | 45 | 120 | 110 |
| 576 | 125 | 19 | 105 | 1984 | 451 | 26 | 31 | 110 | 47 | 127 | 110 |
| 604 | 129 | 22 | 106 | 1985 | 475 | 26 | 32 | 119 | 49 | 136 | 112 |
| 631 | 131 | 24 | 106 | 1986 | 500 | 27 | 32 | 125 | 54 | 146 | 116 |
| 658 | 132 | 27 | 104 | 1987 | 526 | 28 | 34 | 133 | 57 | 154 | 119 |
| 680 | 133 | 29 | 103 | 1988 | 548 | 30 | 36 | 138 | 59 | 162 | 123 |
| 702 | 135 | 29 | 105 | 1989 | 567 | 31 | 37 | 143 | 60 | 171 | 125 |
| | | | | 1989 | | | | | | | |
| 699 | 135 | 29 | 105 | May | 564 | 31 | 37 | 143 | 60 | 170 | 125 |
| 700 | 135 | 29 | 105 | June | 565 | 31 | 37 | 143 | 60 | 170 | 124 |
| 703 | 135 | 29 | 105 | July | 568 | 31 | 37 | 144 | 60 | 171 | 126 |
| 704 | 135 | 29 | 105 | August | 569 | 31 | 37 | 144 | 60 | 172 | 125 |
| 704 | 135 | 29 | 105 | September | 569 | 31 | 37 | 144 | 60 | 173 | 124 |
| 705 | 135 | 29 | 105 | October | 570 | 31 | 37 | 145 | 60 | 173 | 125 |
| 707 | 135 | 29 | 105 | November | 572 | 31 | 37 | 145 | 60 | 174 | 125 |
| 709 | 135 | 29 | 105 | December | 574 | 31 | 37 | 146 | 60 | 174 | 126 |
| | | | | 1990 | | | | | | | |
| 710 | 135 | 30 | 104 | January | 575 | 31 | 38 | 147 | 61 | 174 | 126 |
| 712 | 136 | 30 | 105 | February | 577 | 31 | 37 | 147 | 61 | 175 | 126 |
| 717 | 136 | 30 | 105 | March | 581 | 31 | 38 | 148 | 61 | 176 | 127 |
| 721 | 136 | 30 | 105 | April | 585 | 32 | 38 | 150 | 61 | 178 | 128 |
| 724 | 137 | 30 | 105 | May | 587 | 32 | 38 | 150 | 61 | 179 | 128 |

## Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Columbus MSA

| | Employment (in thousands) | | | Change[d] (in thousands) | |
|---|---|---|---|---|---|
| | May 1990[b] | Apr. 1990[c] | May 1989[c] | From Last Month | From Last Year |
| **Total** | 726.6 | 719.7 | 701.6 | 6.9 | 25.0 |
| **Goods-Producing Industries[e]** | 136.5 | 134.7 | 134.5 | 1.8 | 2.1 |
| Construction | 30.5 | 29.0 | 29.3 | 1.4 | 1.2 |
| Manufacturing | 105.2 | 104.8 | 104.4 | .4 | .8 |
| Durable Goods[f] | 66.3 | 66.1 | 65.8 | .1 | .5 |
| Stone, Clay, and Glass Products | 10.0 | 10.0 | 9.7 | .0 | .3 |
| Glass and Glassware, Pressed or Blown | 3.5 | 3.6 | 3.4 | -.1 | .1 |
| Fabricated Metal Products | 10.0 | 10.0 | 9.8 | .0 | .1 |
| Industrial Machinery and Equipment | 9.9 | 9.7 | 9.8 | .1 | .0 |
| Electronic and Other Electric Equipment | 9.1 | 9.1 | 9.3 | .0 | -.2 |
| Transportation Equipment | 14.3 | 14.2 | 13.8 | .1 | .5 |
| Motor Vehicles and Equipment | 13.3 | 13.3 | 13.0 | .0 | .3 |
| Instruments and Related Products | 4.7 | 4.8 | 4.7 | -.1 | .0 |
| Nondurable Goods[g] | 38.9 | 38.7 | 38.6 | .3 | .3 |
| Food and Kindred Products | 10.8 | 10.7 | 10.5 | .1 | .3 |
| Dairy Products | 4.2 | 4.1 | 3.9 | .1 | .3 |
| Printing and Publishing | 10.9 | 10.8 | 10.7 | .1 | .2 |
| Chemicals and Allied Products | 6.9 | 6.8 | 6.8 | .1 | .1 |
| Rubber and Miscellaneous Plastics Products | 6.1 | 6.2 | 6.1 | -.1 | .1 |
| **Service-Producing Industries** | 590.1 | 585.0 | 567.2 | 5.1 | 23.0 |
| Transportation and Public Utilities | 31.3 | 31.2 | 30.6 | .0 | .6 |
| Transportation | 19.1 | 18.9 | 18.3 | .2 | .8 |
| Trucking and Warehousing | 13.6 | 13.5 | 12.8 | .1 | .9 |
| Communications, Electric, Gas Services | 12.2 | 12.3 | 12.3 | -.1 | -.2 |
| Communications | 7.6 | 7.7 | 7.7 | -.1 | -.2 |
| Electric, Gas, and Sanitary Services | 4.6 | 4.6 | 4.6 | .0 | .0 |
| Wholesale Trade | 38.2 | 37.8 | 36.8 | .4 | 1.4 |
| Wholesale Trade-Durable Goods | 24.8 | 24.5 | 23.9 | .3 | .9 |
| Motor Vehicles, Parts, and Supplies | 3.2 | 3.2 | 3.2 | .1 | .0 |
| Machinery, Equipment, and Supplies | 5.7 | 5.6 | 5.4 | .1 | .3 |
| Wholesale Trade-Nondurable Goods | 13.4 | 13.3 | 12.9 | .1 | .5 |
| Retail Trade | 150.1 | 147.8 | 142.7 | 2.3 | 7.4 |
| General Merchandise Stores | 21.1 | 21.0 | 20.4 | .1 | .7 |
| Food Stores | 17.1 | 17.0 | 16.2 | .1 | .8 |
| Automotive Dealers and Service Stations | 14.9 | 14.7 | 14.2 | .2 | .7 |
| Finance, Insurance, and Real Estate | 60.7 | 60.4 | 59.4 | .3 | 1.3 |
| Finance | 23.8 | 23.7 | 23.4 | .0 | .3 |
| Depository Institutions | 14.3 | 14.3 | 14.2 | .0 | .1 |
| Commercial Banks | 12.1 | 12.1 | 11.6 | .0 | .4 |
| Insurance | 28.0 | 27.9 | 27.4 | .1 | .6 |
| Insurance Carriers | 24.0 | 24.0 | 23.4 | .0 | .6 |
| Services | 179.5 | 177.8 | 170.5 | 1.7 | 8.9 |
| Business Services | 38.1 | 37.6 | 35.6 | .5 | 2.5 |
| Personnel Supply Services | 13.9 | 13.7 | 12.6 | .2 | 1.4 |
| Health Services | 46.1 | 46.0 | 43.9 | .1 | 2.2 |
| Nursing and Personal Care Facilities | 8.2 | 8.2 | 8.0 | .1 | .2 |
| Hospitals | 21.4 | 21.4 | 20.3 | .0 | 1.1 |
| Legal Services | 4.6 | 4.5 | 4.4 | .1 | .2 |
| Educational Services | 7.6 | 8.3 | 7.1 | -.7 | .5 |
| Social Services | 12.7 | 12.7 | 12.1 | .0 | .6 |
| Engineering and Management Services | 18.2 | 18.1 | 17.5 | .1 | .7 |
| Engineering and Architectural Services | 4.5 | 4.5 | 4.4 | .0 | .1 |
| Accounting, Auditing, and Bookkeeping | 4.1 | 4.1 | 4.0 | -.1 | .1 |
| Research and Testing Services | 6.3 | 6.2 | 6.1 | .1 | .3 |
| Government | 130.4 | 130.1 | 127.1 | .3 | 3.3 |
| Federal Government | 16.9 | 16.7 | 16.1 | .3 | .8 |
| State Government | 57.1 | 56.9 | 55.7 | .1 | 1.3 |
| State Government Education[h] | 23.9 | 23.9 | 23.8 | .0 | .1 |
| Local Government | 56.4 | 56.5 | 55.3 | -.1 | 1.1 |
| Local Government Education | 34.1 | 34.4 | 33.4 | -.3 | .7 |

## Hours and Earnings of Production or Nonsupervisory Workers[a]

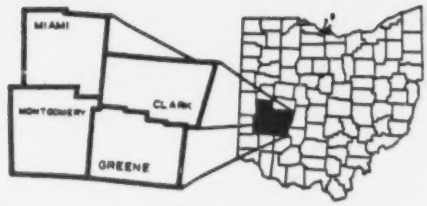
Not Seasonally Adjusted

Columbus MSA

| | Average Weekly Earnings | | | Average Weekly Hours | | | Average Hourly Earnings | | |
|---|---|---|---|---|---|---|---|---|---|
| | May 1990[b] | Apr. 1990[c] | May 1989[c] | May 1990[b] | Apr. 1990[c] | May 1989[c] | May 1990[b] | Apr. 1990[c] | May 1989[c] |
| Manufacturing | $516.23 | $501.43 | $493.90 | 41.8 | 40.9 | 41.4 | $12.35 | $12.26 | $11.93 |
| Durable Goods[f] | 527.52 | 517.06 | 506.27 | 41.8 | 41.2 | 41.6 | 12.62 | 12.55 | 12.17 |
| Stone, Clay, and Glass Products | 514.61 | 511.20 | 510.18 | 42.6 | 42.6 | 42.8 | 12.08 | 12.00 | 11.92 |
| Glass and Glassware, Pressed or Blown | 455.26 | 469.53 | 446.87 | 41.5 | 42.3 | 41.3 | 10.97 | 11.10 | 10.82 |
| Fabricated Metal Products | 533.79 | 525.75 | 500.60 | 41.8 | 41.3 | 40.6 | 12.77 | 12.73 | 12.33 |
| Industrial Machinery and Equipment | 486.30 | 469.13 | 467.98 | 40.9 | 40.2 | 40.8 | 11.89 | 11.67 | 11.47 |
| Electronic and Other Electric Equipment | 490.45 | 478.00 | 464.71 | 40.6 | 39.9 | 40.2 | 12.08 | 11.98 | 11.56 |
| Transportation Equipment | 631.31 | 627.97 | 600.38 | 43.3 | 43.1 | 42.4 | 14.58 | 14.57 | 14.16 |
| Motor Vehicles and Equipment | 635.21 | 630.98 | 606.32 | 43.3 | 43.1 | 42.4 | 14.67 | 14.64 | 14.30 |
| Instruments and Related Products | 423.20 | 394.11 | 431.58 | 40.0 | 38.3 | 40.6 | 10.58 | 10.29 | 10.63 |
| Nondurable Goods[g] | 490.88 | 472.64 | 466.34 | 41.6 | 40.5 | 40.8 | 11.80 | 11.67 | 11.43 |
| Food and Kindred Products | 428.69 | 405.34 | 419.00 | 41.3 | 39.7 | 41.2 | 10.38 | 10.21 | 10.17 |
| Dairy Products | 598.44 | 579.15 | 553.93 | 44.1 | 42.9 | 41.4 | 13.57 | 13.50 | 13.38 |
| Printing and Publishing | 554.61 | 539.97 | 539.97 | 39.9 | 39.1 | 39.5 | 13.90 | 13.81 | 13.67 |
| Chemicals and Allied Products | 665.52 | 649.09 | 596.14 | 43.9 | 43.1 | 42.1 | 15.16 | 15.06 | 14.16 |
| Rubber and Miscellaneous Plastics Products | 402.06 | 374.85 | 365.79 | 42.1 | 40.7 | 41.1 | 9.55 | 9.21 | 8.90 |
| Transportation and Public Utilities | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Transportation | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Trucking and Warehousing | 462.35 | 455.68 | 410.52 | 35.0 | 34.6 | 31.7 | 13.21 | 13.17 | 12.95 |
| Communications, Electric, Gas Services | 661.15 | 664.78 | 579.36 | 43.1 | 43.0 | 40.8 | 15.34 | 15.46 | 14.20 |
| Communications | 578.39 | 587.85 | 567.42 | 39.4 | 39.4 | 40.3 | 14.68 | 14.92 | 14.08 |
| Electric, Gas, and Sanitary Services | 799.65 | 797.04 | 597.60 | 49.3 | 49.2 | 41.5 | 16.22 | 16.20 | 14.40 |
| Wholesale Trade | 403.97 | 398.70 | 389.89 | 38.4 | 38.3 | 38.3 | 10.52 | 10.41 | 10.18 |
| Retail Trade[i] | 181.82 | 183.54 | 181.33 | 27.3 | 27.6 | 28.2 | 6.66 | 6.65 | 6.43 |
| General Merchandise Stores | 201.92 | 206.07 | 193.40 | 28.4 | 28.7 | 28.4 | 7.11 | 7.18 | 6.81 |
| Food Stores | 187.87 | 200.79 | 185.24 | 26.8 | 28.4 | 26.5 | 7.01 | 7.07 | 6.99 |
| Finance, Insurance, and Real Estate | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Finance | 453.25 | 453.45 | 413.41 | .... | .... | .... | ..... | ..... | ..... |
| Depository Institutions | 294.57 | 293.97 | 276.10 | .... | .... | .... | ..... | ..... | ..... |
| Commercial Banks | 290.78 | 290.78 | 274.51 | .... | .... | .... | ..... | ..... | ..... |
| Services | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Health Services | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Nursing and Personal Care Facilities | 229.12 | 230.95 | 211.84 | 32.0 | 32.3 | 32.0 | 7.16 | 7.15 | 6.62 |
| Hospitals | 410.21 | 409.86 | 367.41 | 34.5 | 34.5 | 33.8 | 11.89 | 11.88 | 10.87 |
| Engineering and Management Services | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Engineering and Architectural Services | 509.67 | 501.56 | 464.44 | 40.1 | 39.4 | 38.8 | 12.71 | 12.73 | 11.97 |

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

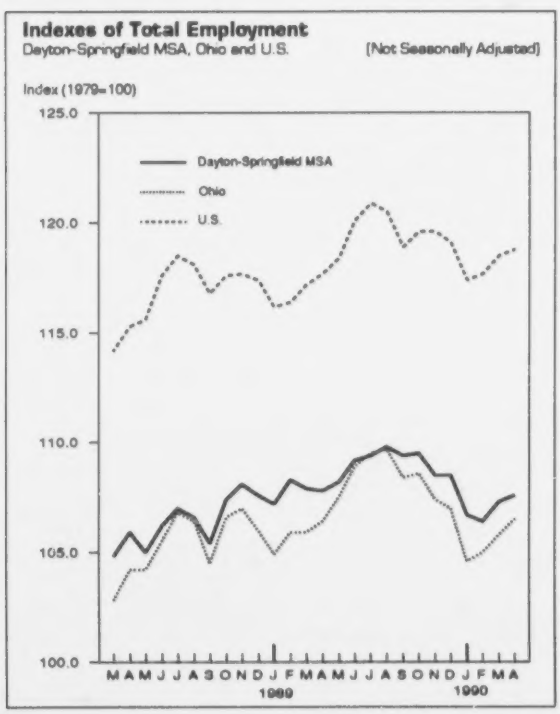
# DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA

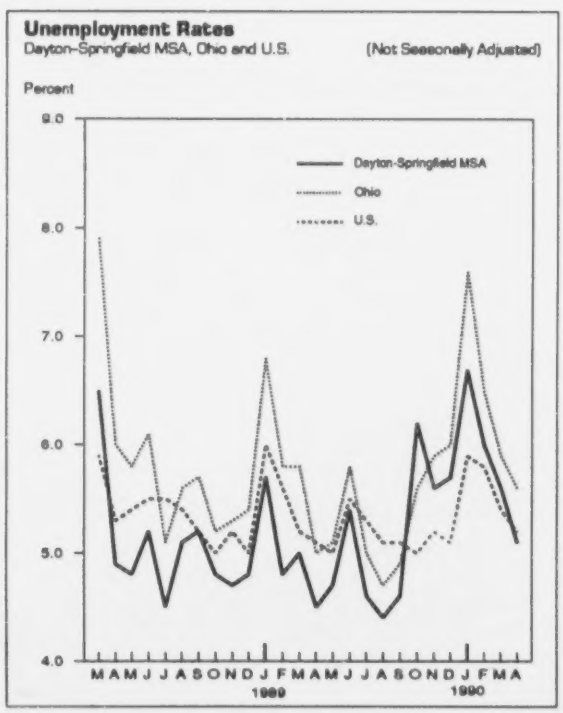



Nonagricultural payroll employment in the Dayton-Springfield metropolitan area rose 2,900 above the April level to 459,000 in May 1990. Employment in service-producing industries increased 1,600. Improvements in retail trade and local government more than offset a seasonal downturn in services, especially educational services. More business in construction and scattered gains in manufacturing raised employment in goods-producing industries 1,300 over the month to 123,100. Factory production workers averaged $13.55 per hour, up 43 cents from April. Their average workweek of 43.0 hours was 1.9 hours longer.

Nonfarm wage and salary employment advanced 10,600 between May 1989 and May 1990. The growth was concentrated in the service-producing sector. Leading areas of expansion were services, retail trade, and government. Moderate increases also were posted in transportation and public utilities and in wholesale trade. Employment in goods-producing industries increased slightly as modest expansion in construction counterbalanced over-the-year reductions in manufacturing. Decreased production in industrial machinery and equipment and in rubber and miscellaneous plastics products outweighed expansion in transportation equipment.

Seasonally adjusted employment in the Dayton-Springfield area increased 2,000 from April to 458,000 in May 1990 due to improvements in services and government. Since May 1989, total payroll employment advanced 11,000. Primary growth industries were services, retail trade, and government.



## Dayton–Springfield MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

| Civilian Labor Force | | | | | Nonagricultural Wage & Salary Employment | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Manufacturing Employment | | | | |
| | | | | | | | Manufacturing Production Workers | | | |
| | | | | | | | | Hours & Earnings | | |
| Total | Employed | Unemployed | | | | | | Average Weekly Earnings | Average Weekly Hours | Average Hourly Earnings |
| | | Total | Rate | | | | | | | |
| INA | INA | INA | INA | 1979 | 408.8 | 122.5 | INA | INA | INA | INA |
| INA | INA | INA | INA | 1980 | 397.1 | 110.9 | INA | INA | INA | INA |
| INA | INA | INA | INA | 1981 | 393.2 | 109.9 | INA | INA | INA | INA |
| INA | INA | INA | INA | 1982 | 374.3 | 97.3 | INA | INA | INA | INA |
| 438.5 | 391.9 | 46.6 | 10.6 | 1983 | 372.3 | 95.5 | INA | INA | INA | INA |
| 440.1 | 404.8 | 35.2 | 8.0 | 1984 | 392.7 | 103.7 | 67.7 | $480.91 | 42.9 | $11.21 |
| 450.4 | 418.1 | 32.4 | 7.2 | 1985 | 408.9 | 106.3 | 69.1 | 517.10 | 43.2 | 11.97 |
| 460.5 | 430.1 | 30.3 | 6.6 | 1986 | 419.4 | 105.7 | 68.2 | 514.88 | 42.8 | 12.03 |
| 463.8 | 437.7 | 26.2 | 5.6 | 1987 | 429.8 | 104.3 | 67.1 | 499.38 | 42.0 | 11.89 |
| 468.2 | 443.9 | 24.4 | 5.2 | 1988 | 437.7 | 105.0 | 67.5 | 548.14 | 43.4 | 12.63 |
| 478.6 | 454.1 | 24.4 | 5.1 | 1989 | 448.3 | 104.5 | 67.2 | 555.56 | 42.9 | 12.95 |
| | | | | 1989 | | | | | | |
| 474.3 | 452.1 | 22.1 | 4.7 | May | 448.3 | 104.8 | 67.4 | 555.56 | 43.0 | 12.92 |
| 482.6 | 456.3 | 26.3 | 5.4 | June | 449.6 | 105.6 | 67.9 | 555.56 | 43.1 | 12.89 |
| 479.7 | 457.5 | 22.2 | 4.6 | July | 444.9 | 104.5 | 66.3 | 539.33 | 42.3 | 12.75 |
| 480.0 | 459.0 | 21.0 | 4.4 | August | 445.4 | 104.7 | 66.7 | 531.70 | 41.8 | 12.72 |
| 479.3 | 457.4 | 21.9 | 4.6 | September | 454.0 | 105.0 | 67.4 | 555.54 | 42.8 | 12.98 |
| 487.6 | 457.6 | 30.0 | 6.2 | October | 453.3 | 101.7 | 65.1 | 552.12 | 42.8 | 12.90 |
| 480.4 | 453.5 | 27.0 | 5.6 | November | 455.2 | 102.3 | 65.8 | 555.53 | 42.7 | 13.01 |
| 480.9 | 453.5 | 27.3 | 5.7 | December | 458.3 | 104.3 | 68.0 | 551.51 | 42.1 | 13.10 |
| | | | | 1990 | | | | | | |
| 478.5 | 446.2 | 32.3 | 6.7 | January | 446.3 | 103.0 | 66.5 | 535.30 | 41.4 | 12.93 |
| 473.4 | 444.9 | 28.4 | 6.0 | February | 447.1 | 103.3 | 66.6 | 545.02 | 41.7 | 13.07 |
| 475.1 | 448.6 | 26.5 | 5.6 | March | 452.1 | 104.1 | 67.2 | 553.92 | 41.9 | 13.22 |
| 474.1 | 449.8 | 24.3 | 5.1 | April | 456.1 | 104.0 | 67.4 | 539.23 | 41.1 | 13.12 |
| INA | INA | INA | INA | May | 459.0 | 104.5 | 67.9 | 582.65 | 43.0 | 13.55 |

INA – information not available

## Dayton–Springfield MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

| Total | Goods–Producing Industries | Construction | Manufacturing | | Service–Producing Industries | Transportation & Public Utilities | Wholesale Trade | Retail Trade | Finance, Insurance, & Real Estate | Services | Government |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 409 | 139 | 16 | 122 | 1979 | 270 | 16 | 17 | 68 | 16 | 80 | 74 |
| 397 | 126 | 15 | 111 | 1980 | 271 | 16 | 17 | 66 | 16 | 82 | 75 |
| 393 | 123 | 13 | 110 | 1981 | 270 | 15 | 18 | 64 | 16 | 84 | 74 |
| 374 | 108 | 10 | 97 | 1982 | 266 | 14 | 18 | 62 | 16 | 85 | 72 |
| 372 | 106 | 11 | 96 | 1983 | 266 | 14 | 18 | 63 | 16 | 85 | 71 |
| 393 | 116 | 12 | 104 | 1984 | 277 | 15 | 19 | 67 | 16 | 89 | 71 |
| 409 | 120 | 13 | 106 | 1985 | 289 | 14 | 19 | 71 | 17 | 95 | 72 |
| 419 | 121 | 15 | 106 | 1986 | 298 | 15 | 19 | 75 | 17 | 100 | 73 |
| 430 | 121 | 16 | 104 | 1987 | 309 | 16 | 19 | 78 | 18 | 104 | 74 |
| 438 | 123 | 17 | 105 | 1988 | 315 | 17 | 20 | 79 | 18 | 108 | 73 |
| 448 | 123 | 18 | 105 | 1989 | 326 | 17 | 21 | 80 | 18 | 114 | 76 |
| | | | | 1989 | | | | | | | |
| 447 | 123 | 18 | 105 | May | 324 | 17 | 21 | 79 | 18 | 114 | 76 |
| 447 | 123 | 17 | 105 | June | 325 | 17 | 21 | 80 | 18 | 114 | 76 |
| 448 | 122 | 17 | 104 | July | 326 | 17 | 21 | 80 | 18 | 114 | 76 |
| 449 | 122 | 17 | 105 | August | 326 | 18 | 21 | 80 | 18 | 114 | 76 |
| 450 | 122 | 17 | 104 | September | 328 | 18 | 21 | 80 | 18 | 114 | 76 |
| 448 | 119 | 17 | 101 | October | 329 | 18 | 21 | 80 | 18 | 115 | 77 |
| 449 | 120 | 18 | 102 | November | 329 | 18 | 21 | 80 | 18 | 116 | 77 |
| 453 | 122 | 18 | 104 | December | 331 | 18 | 21 | 80 | 18 | 116 | 77 |
| | | | | 1990 | | | | | | | |
| 453 | 122 | 18 | 104 | January | 330 | 18 | 21 | 81 | 18 | 115 | 78 |
| 454 | 123 | 18 | 104 | February | 331 | 18 | 21 | 81 | 18 | 116 | 77 |
| 457 | 124 | 18 | 105 | March | 333 | 18 | 21 | 82 | 18 | 117 | 78 |
| 456 | 123 | 18 | 105 | April | 333 | 18 | 22 | 82 | 18 | 117 | 77 |
| 458 | 123 | 18 | 105 | May | 335 | 18 | 22 | 82 | 18 | 118 | 78 |

## Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Dayton–Springfield MSA

| | Employment (in thousands) | | | Change[d] (in thousands) | |
|---|---|---|---|---|---|
| | May 1990[b] | Apr. 1990[c] | May 1989[c] | From Last Month | From Last Year |
| **Total** | 459.0 | 456.1 | 448.3 | 2.9 | 10.6 |
| **Goods-Producing Industries[e]** | 123.1 | 121.8 | 123.0 | 1.3 | .1 |
| Construction | 18.2 | 17.4 | 17.7 | .9 | .5 |
| Manufacturing | 104.5 | 104.0 | 104.8 | .4 | -.4 |
| Durable Goods[f] | 74.9 | 74.5 | 75.2 | .4 | -.3 |
| Fabricated Metal Products | 8.6 | 8.6 | 8.6 | .0 | .0 |
| Industrial Machinery and Equipment | 30.9 | 30.7 | 31.9 | .1 | -1.0 |
| Metalworking Machinery | 8.3 | 8.3 | 8.6 | .0 | -.3 |
| General Industrial Machinery | 2.9 | 2.9 | 3.0 | .0 | -.1 |
| Electronic and Other Electric Equipment | 3.9 | 3.9 | 4.1 | .0 | -.2 |
| Transportation Equipment | 22.7 | 22.5 | 21.6 | .2 | 1.1 |
| Motor Vehicles and Equipment | 19.4 | 19.3 | 18.5 | .2 | 1.0 |
| Nondurable Goods[g] | 29.5 | 29.5 | 29.6 | .1 | -.1 |
| Food and Kindred Products | 2.4 | 2.5 | 2.8 | -.1 | -.4 |
| Paper and Allied Products | 6.0 | 6.1 | 6.1 | -.1 | .0 |
| Printing and Publishing | 9.2 | 9.2 | 8.9 | .1 | .3 |
| Rubber and Miscellaneous Plastics Products | 7.6 | 7.5 | 8.2 | .1 | -.6 |
| **Service-Producing Industries** | 335.9 | 334.2 | 325.3 | 1.6 | 10.5 |
| Transportation and Public Utilities | 18.3 | 18.2 | 17.3 | .1 | 1.0 |
| Transportation | 12.0 | 11.8 | 11.1 | .1 | .9 |
| Trucking and Warehousing | 6.8 | 6.7 | 6.0 | .1 | .8 |
| Communications, Electric, Gas Services | 6.3 | 6.3 | 6.3 | .0 | .1 |
| Communications | 3.5 | 3.5 | 3.5 | .0 | .0 |
| Wholesale Trade | 21.7 | 21.6 | 20.8 | .1 | .9 |
| Wholesale Trade-Durable Goods | 15.1 | 15.1 | 14.6 | .0 | .5 |
| Wholesale Trade-Nondurable Goods | 6.6 | 6.5 | 6.2 | .1 | .4 |
| Retail Trade | 82.1 | 81.0 | 79.5 | 1.1 | 2.6 |
| General Merchandise Stores | 11.3 | 11.3 | 11.2 | .0 | .0 |
| Finance, Insurance, and Real Estate | 17.6 | 17.5 | 17.7 | .1 | .0 |
| Finance | 9.4 | 9.5 | 9.7 | .0 | -.3 |
| Depository Institutions | 7.2 | 7.2 | 7.5 | .0 | -.3 |
| Insurance | 4.4 | 4.4 | 4.3 | .0 | .1 |
| Services | 116.6 | 117.2 | 112.6 | -.6 | 4.0 |
| Business Services | 23.3 | 22.7 | 22.1 | .5 | 1.2 |
| Personnel Supply Services | 6.5 | 6.0 | 6.4 | .5 | .1 |
| Computer and Data Processing Services | 5.5 | 5.5 | 4.8 | .0 | .7 |
| Health Services | 39.1 | 39.0 | 38.1 | .2 | 1.0 |
| Nursing and Personal Care Facilities | 7.1 | 7.0 | 7.0 | .1 | .1 |
| Hospitals | 19.9 | 19.9 | 19.6 | .0 | .4 |
| Educational Services | 7.2 | 8.8 | 7.2 | -1.6 | .0 |
| Social Services | 6.0 | 5.9 | 5.8 | .0 | .2 |
| Engineering and Management Services | 10.1 | 10.0 | 9.9 | .1 | .2 |
| Research and Testing Services | 3.4 | 3.4 | 3.2 | .1 | .2 |
| Government | 79.5 | 78.8 | 77.4 | .7 | 2.1 |
| Federal Government | 29.2 | 29.2 | 28.9 | .0 | .3 |
| State Government | 7.5 | 7.6 | 7.3 | -.1 | .2 |
| State Government Education[h] | 4.6 | 4.7 | 4.4 | -.1 | .2 |
| Local Government | 42.9 | 42.0 | 41.2 | .9 | 1.6 |
| Local Government Education | 27.2 | 26.6 | 26.3 | .6 | .9 |

## Hours and Earnings of Production or Nonsupervisory Workers[a]

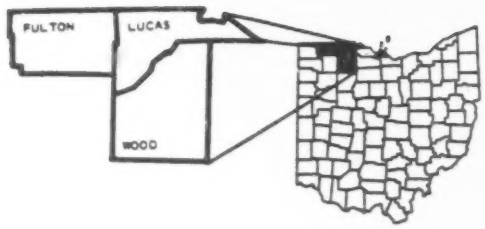
Not Seasonally Adjusted

Dayton–Springfield MSA

| | Average Weekly Earnings | | | Average Weekly Hours | | | Average Hourly Earnings | | |
|---|---|---|---|---|---|---|---|---|---|
| | May 1990[b] | Apr. 1990[c] | May 1989[c] | May 1990[b] | Apr. 1990[c] | May 1989[c] | May 1990[b] | Apr. 1990[c] | May 1989[c] |
| Manufacturing | $582.65 | $539.23 | $555.56 | 43.0 | 41.1 | 43.0 | $13.55 | $13.12 | $12.92 |
| Durable Goods[f] | 601.44 | 554.14 | 568.96 | 43.3 | 41.2 | 43.3 | 13.89 | 13.45 | 13.14 |
| Fabricated Metal Products | 428.66 | 390.00 | 413.88 | 42.4 | 40.0 | 42.8 | 10.11 | 9.75 | 9.67 |
| Industrial Machinery and Equipment | 623.92 | 574.36 | 617.71 | 44.0 | 41.5 | 44.6 | 14.18 | 13.84 | 13.85 |
| Metalworking Machinery | 589.57 | 554.70 | 597.06 | 44.8 | 43.0 | 46.5 | 13.16 | 12.90 | 12.84 |
| General Industrial Machinery | 536.81 | 468.79 | 512.57 | 45.3 | 40.8 | 45.2 | 11.85 | 11.49 | 11.34 |
| Electronic and Other Electric Equipment | 367.84 | 361.88 | 358.07 | 41.8 | 41.5 | 41.3 | 8.80 | 8.72 | 8.67 |
| Transportation Equipment | 754.11 | 686.38 | 695.41 | 44.1 | 41.7 | 42.9 | 17.10 | 16.46 | 16.21 |
| Motor Vehicles and Equipment | 766.46 | 696.81 | 699.43 | 44.1 | 41.7 | 42.7 | 17.38 | 16.71 | 16.38 |
| Nondurable Goods[g] | 526.67 | 491.27 | 512.44 | 42.1 | 40.5 | 41.9 | 12.51 | 12.13 | 12.23 |
| Food and Kindred Products | 358.35 | 350.32 | 360.29 | 40.4 | 39.9 | 41.7 | 8.87 | 8.78 | 8.64 |
| Paper and Allied Products | 526.13 | 476.30 | 481.00 | 45.2 | 42.3 | 43.1 | 11.64 | 11.26 | 11.16 |
| Printing and Publishing | 467.27 | 465.66 | 469.68 | 39.7 | 39.8 | 40.7 | 11.77 | 11.70 | 11.54 |
| Rubber and Miscellaneous Plastics Products | 676.89 | 622.12 | 687.86 | 41.4 | 39.3 | 42.2 | 16.35 | 15.83 | 16.30 |
| Transportation and Public Utilities | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Communications, Electric, Gas Services | 562.19 | 563.20 | 563.70 | 40.3 | 40.2 | 40.7 | 13.95 | 14.01 | 13.85 |
| Communications | 562.80 | 569.37 | 559.54 | 40.0 | 39.9 | 40.4 | 14.07 | 14.27 | 13.85 |
| Wholesale Trade | 390.64 | 393.82 | 404.71 | 39.3 | 39.5 | 39.6 | 9.94 | 9.97 | 10.22 |
| Retail Trade[i] | 177.65 | 174.28 | 165.79 | 28.7 | 28.2 | 28.1 | 6.19 | 6.18 | 5.90 |
| General Merchandise Stores | 180.14 | 180.05 | 175.84 | 27.8 | 27.7 | 28.0 | 6.48 | 6.50 | 6.28 |
| Finance, Insurance, and Real Estate | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Finance | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Depository Institutions | 267.72 | 273.58 | 258.21 | .... | .... | .... | ..... | ..... | ..... |
| Services | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Health Services | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Hospitals | 408.86 | 412.46 | 368.83 | 34.1 | 34.4 | 33.9 | 11.99 | 11.99 | 10.88 |

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

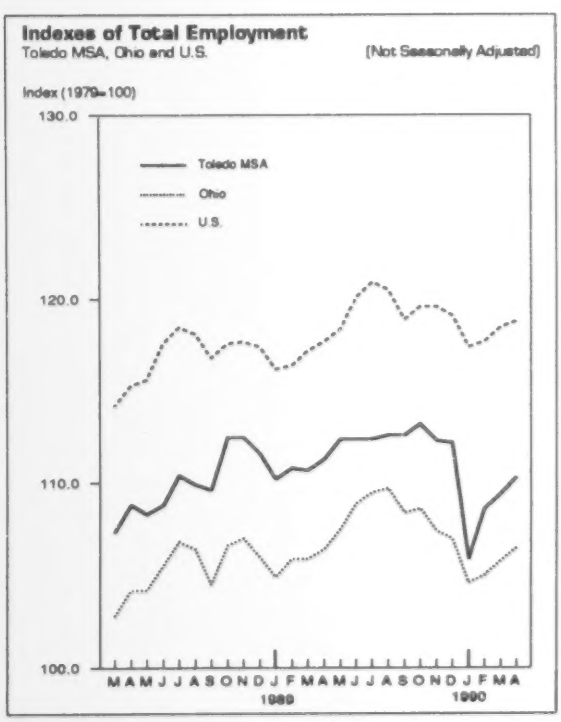
# TOLEDO METROPOLITAN STATISTICAL AREA

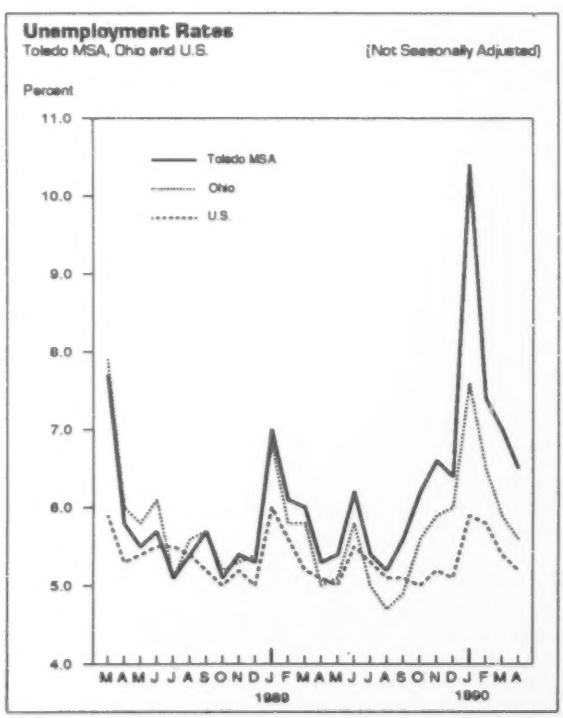



Total nonfarm payroll employment in the Toledo metropolitan area rose 2,100 above the April level to 299,100 in May 1990. More business in retail trade and services raised employment in service-producing industries 1,700. The workforce in goods-producing industries increased 300 over the month to 72,300. A cyclical upturn in construction more than offset declines in durable-goods manufacturing, especially transportation equipment. Factory production workers averaged $13.58 per hour, up fractionally from April. Their average workweek of 43.6 hours was 0.6 hours longer.

Nonagricultural wage and salary employment advanced 3,400 between May 1989 and May 1990. The number of employees in service-producing industries increased 5,700. Primary areas of expansion were services (+2,700) and retail trade (+1,700). Employment in goods-producing industries fell 2,300 below the year-ago level as reductions in manufacturing, especially transportation equipment, negated modest growth in construction. Declines also occurred in industrial machinery and equipment, stone, clay, and glass products, and rubber and miscellaneous plastics products.

Seasonally adjusted employment in the Toledo area totaled 297,000 in May 1990, unchanged from April. Since May 1989, total payroll employment advanced 3,000. Gains in service-producing industries, particularly services, more than offset a decrease in manufacturing.



## Toledo MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

| Civilian Labor Force | | | | | Nonagricultural Wage & Salary Employment | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Manufacturing Employment | | | | |
| | | | | | | | Manufacturing Production Workers | | | |
| | | | | | | | | Hours & Earnings | | |
| Total | Employed | Unemployed | | | | | | Average Weekly Earnings | Average Weekly Hours | Average Hourly Earnings |
| | | Total | Rate | | | | | | | |
| INA | INA | INA | INA | 1979 | 268.2 | 77.4 | INA | INA | INA | INA |
| INA | INA | INA | INA | 1980 | 257.0 | 66.4 | INA | INA | INA | INA |
| INA | INA | INA | INA | 1981 | 254.2 | 65.8 | INA | INA | INA | INA |
| INA | INA | INA | INA | 1982 | 244.4 | 60.2 | INA | INA | INA | INA |
| 289.2 | 256.1 | 33.1 | 11.4 | 1983 | 245.3 | 59.6 | INA | INA | INA | INA |
| 293.5 | 267.3 | 26.2 | 8.9 | 1984 | 257.0 | 64.8 | 45.7 | $502.42 | 43.2 | $11.63 |
| 296.5 | 272.3 | 24.3 | 8.2 | 1985 | 264.5 | 65.7 | 46.2 | 523.55 | 42.6 | 12.29 |
| 307.1 | 281.2 | 25.8 | 8.4 | 1986 | 272.0 | 63.4 | 44.2 | 527.03 | 42.4 | 12.43 |
| 307.6 | 285.1 | 22.5 | 7.3 | 1987 | 278.0 | 62.2 | 43.7 | 540.60 | 42.5 | 12.72 |
| 311.0 | 292.7 | 18.2 | 5.9 | 1988 | 286.6 | 62.7 | 44.9 | 566.78 | 43.2 | 13.12 |
| 317.9 | 299.0 | 18.9 | 5.9 | 1989 | 293.7 | 61.6 | 44.0 | 576.81 | 43.5 | 13.26 |
| | | | | 1989 | | | | | | |
| 317.4 | 300.3 | 17.2 | 5.4 | May | 295.8 | 62.5 | 44.7 | 584.76 | 44.0 | 13.29 |
| 320.2 | 300.4 | 19.8 | 6.2 | June | 294.0 | 62.1 | 44.4 | 571.54 | 43.2 | 13.23 |
| 317.3 | 300.2 | 17.1 | 5.4 | July | 289.8 | 61.2 | 43.5 | 566.24 | 42.8 | 13.23 |
| 317.4 | 301.0 | 16.4 | 5.2 | August | 290.1 | 61.6 | 44.0 | 575.92 | 43.4 | 13.27 |
| 318.6 | 300.8 | 17.8 | 5.6 | September | 296.6 | 61.3 | 43.9 | 565.04 | 43.1 | 13.11 |
| 322.6 | 302.5 | 20.0 | 6.2 | October | 298.1 | 60.1 | 42.8 | 580.32 | 43.6 | 13.31 |
| 321.1 | 300.0 | 21.1 | 6.6 | November | 299.3 | 60.3 | 42.9 | 586.94 | 43.9 | 13.37 |
| 320.3 | 299.7 | 20.6 | 6.4 | December | 300.7 | 60.4 | 43.1 | 565.02 | 43.0 | 13.14 |
| | | | | 1990 | | | | | | |
| 315.8 | 283.0 | 32.8 | 10.4 | January | 281.2 | 51.1 | 34.3 | 522.88 | 42.1 | 12.42 |
| 313.2 | 290.2 | 23.0 | 7.4 | February | 289.9 | 59.2 | 42.3 | 551.34 | 41.8 | 13.19 |
| 314.3 | 292.3 | 22.0 | 7.0 | March | 292.7 | 59.0 | 42.3 | 588.60 | 43.6 | 13.50 |
| 315.1 | 294.6 | 20.4 | 6.5 | April | 297.1 | 59.9 | 43.2 | 581.79 | 43.0 | 13.53 |
| INA | INA | INA | INA | May | 299.1 | 59.5 | 42.8 | 592.09 | 43.6 | 13.58 |

INA – information not available

## Toledo MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

| Total | Goods-Producing Industries | Construction | Manufacturing | | Service-Producing Industries | Transportation & Public Utilities | Wholesale Trade | Retail Trade | Finance, Insurance, & Real Estate | Services | Government |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 268 | 88 | 10 | 77 | 1979 | 180 | 18 | 14 | 47 | 9 | 53 | 39 |
| 257 | 77 | 10 | 66 | 1980 | 180 | 16 | 14 | 46 | 9 | 54 | 40 |
| 254 | 76 | 9 | 66 | 1981 | 179 | 16 | 14 | 46 | 9 | 55 | 39 |
| 244 | 68 | 7 | 60 | 1982 | 177 | 14 | 14 | 44 | 9 | 57 | 38 |
| 245 | 67 | 7 | 60 | 1983 | 178 | 14 | 14 | 44 | 9 | 58 | 39 |
| 257 | 73 | 8 | 65 | 1984 | 184 | 14 | 15 | 47 | 10 | 59 | 39 |
| 265 | 74 | 9 | 66 | 1985 | 190 | 14 | 15 | 50 | 10 | 62 | 40 |
| 272 | 73 | 9 | 63 | 1986 | 199 | 14 | 15 | 52 | 11 | 67 | 41 |
| 278 | 73 | 10 | 62 | 1987 | 206 | 14 | 15 | 54 | 12 | 70 | 42 |
| 287 | 74 | 11 | 63 | 1988 | 213 | 13 | 15 | 57 | 12 | 73 | 42 |
| 294 | 74 | 12 | 62 | 1989 | 220 | 14 | 16 | 59 | 12 | 76 | 43 |
| | | | | 1989 | | | | | | | |
| 294 | 75 | 12 | 63 | May | 219 | 14 | 16 | 59 | 12 | 75 | 43 |
| 294 | 74 | 12 | 62 | June | 220 | 14 | 16 | 58 | 12 | 76 | 43 |
| 293 | 74 | 12 | 62 | July | 219 | 14 | 16 | 59 | 12 | 76 | 42 |
| 293 | 73 | 12 | 61 | August | 220 | 14 | 16 | 59 | 12 | 77 | 43 |
| 294 | 72 | 12 | 60 | September | 221 | 14 | 16 | 59 | 12 | 77 | 43 |
| 293 | 72 | 12 | 60 | October | 221 | 14 | 16 | 59 | 12 | 77 | 43 |
| 294 | 72 | 12 | 60 | November | 222 | 15 | 16 | 59 | 12 | 77 | 44 |
| 296 | 73 | 12 | 60 | December | 223 | 15 | 16 | 59 | 12 | 77 | 44 |
| | | | | 1990 | | | | | | | |
| 286 | 64 | 12 | 52 | January | 222 | 15 | 16 | 60 | 12 | 76 | 43 |
| 295 | 72 | 12 | 60 | February | 223 | 15 | 16 | 60 | 12 | 77 | 44 |
| 296 | 72 | 12 | 59 | March | 224 | 15 | 16 | 60 | 12 | 77 | 44 |
| 297 | 73 | 13 | 60 | April | 224 | 15 | 16 | 60 | 12 | 78 | 44 |
| 297 | 73 | 13 | 60 | May | 224 | 15 | 16 | 60 | 12 | 78 | 44 |

## Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Toledo MSA

| | Employment (in thousands) | | | Change[d] (in thousands) | |
|---|---|---|---|---|---|
| | May 1990[b] | Apr. 1990[c] | May 1989[c] | From Last Month | From Last Year |
| **Total** | 299.1 | 297.1 | 295.8 | 2.1 | 3.4 |
| **Goods-Producing Industries[e]** | 72.3 | 72.0 | 74.7 | .3 | -2.3 |
| Construction | 12.6 | 11.9 | 11.9 | .7 | .8 |
| Manufacturing | 59.5 | 59.9 | 62.5 | -.4 | -3.1 |
| Durable Goods[f] | 44.4 | 44.7 | 46.7 | -.3 | -2.3 |
| Stone, Clay, and Glass Products | 7.7 | 7.7 | 7.9 | .0 | -.3 |
| Primary Metal Industries | 3.5 | 3.5 | 3.5 | -.1 | .0 |
| Fabricated Metal Products | 7.2 | 7.0 | 7.2 | .1 | .0 |
| Metal Forgings and Stampings | 2.6 | 2.6 | 2.9 | .0 | -.3 |
| Industrial Machinery and Equipment | 5.7 | 5.6 | 6.1 | .1 | -.5 |
| Transportation Equipment | 13.7 | 14.2 | 15.5 | -.5 | -1.7 |
| Nondurable Goods[g] | 15.0 | 15.2 | 15.8 | -.1 | -.8 |
| Food and Kindred Products | 3.9 | 3.8 | 4.0 | .0 | -.1 |
| Rubber and Miscellaneous Plastics Products | 4.0 | 4.0 | 4.3 | .0 | -.3 |
| **Service-Producing Industries** | 226.8 | 225.1 | 221.1 | 1.7 | 5.7 |
| Transportation and Public Utilities | 14.6 | 14.4 | 14.1 | .2 | .5 |
| Transportation | 9.7 | 9.5 | 9.2 | .2 | .5 |
| Communications, Electric, Gas Services | 4.9 | 4.9 | 4.9 | .0 | .0 |
| Wholesale Trade | 16.2 | 16.1 | 15.7 | .1 | .5 |
| Wholesale Trade-Durable Goods | 10.7 | 10.6 | 10.4 | .1 | .3 |
| Wholesale Trade-Nondurable Goods | 5.5 | 5.5 | 5.3 | .0 | .2 |
| Retail Trade | 60.2 | 59.4 | 58.5 | .8 | 1.7 |
| General Merchandise Stores | 8.0 | 8.0 | 8.2 | .0 | -.2 |
| Finance, Insurance, and Real Estate | 12.0 | 12.0 | 12.2 | .0 | -.2 |
| Finance | 6.2 | 6.3 | 6.4 | -.1 | -.2 |
| Insurance | 3.7 | 3.7 | 3.7 | .0 | .0 |
| Services | 78.2 | 77.6 | 75.5 | .6 | 2.7 |
| Business Services | 13.6 | 13.3 | 13.1 | .4 | .6 |
| Personnel Supply Services | 5.2 | 4.9 | 5.0 | .3 | .2 |
| Health Services | 27.7 | 27.6 | 27.5 | .1 | .2 |
| Nursing and Personal Care Facilities | 4.1 | 4.0 | 4.1 | .1 | .0 |
| Hospitals | 15.1 | 15.1 | 15.1 | .0 | .0 |
| Engineering and Management Services | 6.3 | 6.3 | 5.9 | .1 | .4 |
| Government | 45.6 | 45.5 | 45.1 | .0 | .5 |
| Federal Government | 3.1 | 2.9 | 2.7 | .1 | .4 |
| State Government | 17.2 | 17.5 | 16.7 | -.3 | .5 |
| State Government Education[h] | 12.8 | 13.1 | 12.5 | -.3 | .3 |
| Local Government | 25.3 | 25.1 | 25.6 | .2 | -.3 |
| Local Government Education | 14.9 | 14.7 | 15.2 | .1 | -.3 |

## Hours and Earnings of Production or Nonsupervisory Workers[a]

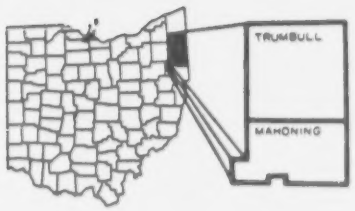
Not Seasonally Adjusted

Toledo MSA

| | Average Weekly Earnings | | | Average Weekly Hours | | | Average Hourly Earnings | | |
|---|---|---|---|---|---|---|---|---|---|
| | May 1990[b] | Apr. 1990[c] | May 1989[c] | May 1990[b] | Apr. 1990[c] | May 1989[c] | May 1990[b] | Apr. 1990[c] | May 1989[c] |
| Manufacturing | $592.09 | $581.79 | $584.76 | 43.6 | 43.0 | 44.0 | $13.58 | $13.53 | $13.29 |
| Durable Goods[f] | 603.50 | 592.11 | 599.82 | 43.7 | 43.0 | 44.3 | 13.81 | 13.77 | 13.54 |
| Stone, Clay, and Glass Products | 554.19 | 568.71 | 481.20 | 43.5 | 44.5 | 42.1 | 12.74 | 12.78 | 11.43 |
| Primary Metal Industries | 548.49 | 466.91 | 477.22 | 47.0 | 41.8 | 42.8 | 11.67 | 11.17 | 11.15 |
| Fabricated Metal Products | 524.36 | 506.44 | 484.78 | 44.4 | 44.0 | 43.4 | 11.81 | 11.51 | 11.17 |
| Metal Forgings and Stampings | 734.23 | 640.83 | 619.48 | 45.1 | 41.0 | 41.8 | 16.28 | 15.63 | 14.82 |
| Industrial Machinery and Equipment | 488.80 | 482.65 | 512.00 | 41.6 | 41.5 | 43.5 | 11.75 | 11.63 | 11.77 |
| Transportation Equipment | 770.43 | 771.76 | 802.62 | 43.7 | 43.9 | 46.8 | 17.63 | 17.58 | 17.15 |
| Nondurable Goods[g] | 553.84 | 544.43 | 530.72 | 43.1 | 42.7 | 42.8 | 12.85 | 12.75 | 12.40 |
| Food and Kindred Products | 619.77 | 551.06 | 619.52 | 43.8 | 40.4 | 44.0 | 14.15 | 13.64 | 14.08 |
| Rubber and Miscellaneous Plastics Products | 373.57 | 383.78 | 388.06 | 41.6 | 42.5 | 43.7 | 8.98 | 9.03 | 8.88 |
| Transportation and Public Utilities | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Communications, Electric, Gas Services | 652.80 | 659.40 | 575.66 | 41.9 | 42.0 | 40.2 | 15.58 | 15.70 | 14.32 |
| Wholesale Trade | 412.63 | 418.59 | 406.18 | 40.1 | 40.6 | 39.9 | 10.29 | 10.31 | 10.18 |
| Retail Trade[i] | 165.38 | 162.75 | 158.58 | 27.2 | 26.9 | 27.2 | 6.08 | 6.05 | 5.83 |
| Finance, Insurance, and Real Estate | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Finance | 354.56 | 361.89 | 337.26 | .... | .... | .... | ..... | ..... | ..... |

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor- management disputes.

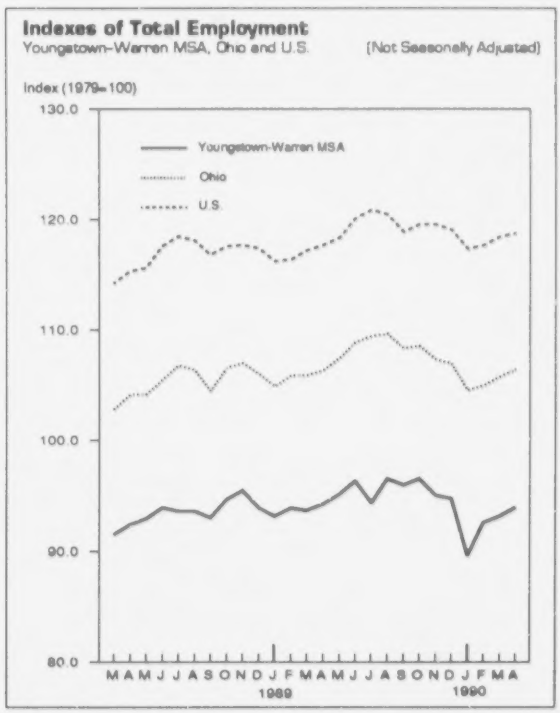
# YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA

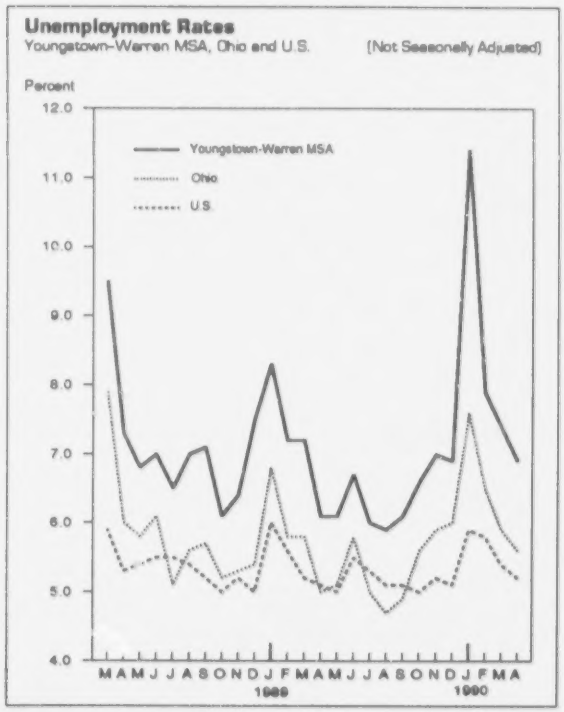



In the Youngstown-Warren metropolitan area, nonfarm payroll employment rose 3,500 above the April level to 204,300 in May 1990. The return of nonteaching personnel in state and local schools and colleges and more business in services and retail trade raised employment in service-producing industries 2,300. The workforce in goods-producing industries increased 1,100 over the month to 58,400 due to a cyclical upturn in construction and scattered increases in durable-goods manufacturing. Factory production workers averaged $14.55 per hour, up 24 cents from April. Their average workweek of 43.6 hours was 1.5 hours longer.

Nonagricultural wage and salary employment advanced 5,000 between May 1989 and May 1990. The service-producing sector added 5,600 jobs. Expansion in services, retail trade, and wholesale trade contributed most to the gain. Reductions in durable-goods manufacturing lowered employment in goods-producing industries 500 from the year-ago level. Noteworthy declines were recorded in transportation equipment, fabricated metal products, and primary metal industries.

Seasonally adjusted employment in the Youngstown-Warren area increased 1,000 from April to 202,000 in May 1990 primarily due to improvements in manufacturing and government. Since May 1989, total payroll employment advanced 5,000. Growth industries were services, wholesale trade, retail trade, and government.



## Youngstown-Warren MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

| Civilian Labor Force | | | | | Nonagricultural Wage & Salary Employment | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Manufacturing Employment | | | | |
| | | | | | | | Manufacturing Production Workers | | | |
| | | | | | | | | Hours & Earnings | | |
| Total | Employed | Unemployed | | | | | | Average Weekly Earnings | Average Weekly Hours | Average Hourly Earnings |
| | | Total | Rate | | | | | | | |
| 237.1 | 219.9 | 17.1 | 7.2 | 1979 | 213.9 | 79.9 | 62.5 | $377.29 | 40.7 | $9.27 |
| 238.9 | 210.5 | 28.4 | 11.9 | 1980 | 203.1 | 70.8 | 54.1 | 409.77 | 39.9 | 10.27 |
| 234.0 | 205.7 | 28.2 | 12.1 | 1981 | 198.7 | 67.3 | 50.8 | 474.10 | 40.8 | 11.62 |
| 237.0 | 190.3 | 46.6 | 19.7 | 1982 | 180.6 | 52.9 | 38.1 | 460.60 | 39.3 | 11.72 |
| 225.6 | 188.1 | 37.5 | 16.6 | 1983 | 177.4 | 52.8 | 36.6 | 521.20 | 42.1 | 12.38 |
| 222.2 | 195.9 | 26.3 | 11.8 | 1984 | 182.5 | 55.1 | 41.8 | 555.97 | 43.3 | 12.84 |
| 221.3 | 196.3 | 25.0 | 11.3 | 1985 | 184.2 | 52.7 | 39.6 | 570.64 | 43.1 | 13.24 |
| 223.7 | 200.0 | 23.7 | 10.6 | 1986 | 187.1 | 51.7 | 38.7 | 553.28 | 41.6 | 13.30 |
| 221.6 | 200.0 | 21.6 | 9.7 | 1987 | 188.3 | 48.9 | 36.7 | 567.91 | 42.7 | 13.30 |
| 221.3 | 204.9 | 16.4 | 7.4 | 1988 | 193.8 | 50.5 | 38.5 | 574.86 | 42.3 | 13.59 |
| 223.9 | 209.0 | 15.0 | 6.7 | 1989 | 198.1 | 50.0 | 37.8 | 599.63 | 42.8 | 14.01 |
| | | | | 1989 | | | | | | |
| 222.9 | 209.3 | 13.5 | 6.1 | May | 199.2 | 50.7 | 38.6 | 603.60 | 43.3 | 13.94 |
| 227.1 | 211.9 | 15.2 | 6.7 | June | 200.4 | 50.8 | 38.7 | 598.53 | 42.6 | 14.05 |
| 220.9 | 207.6 | 13.4 | 6.0 | July | 193.6 | 45.7 | 33.4 | 581.28 | 42.0 | 13.84 |
| 225.8 | 212.5 | 13.3 | 5.9 | August | 197.8 | 49.5 | 37.3 | 590.10 | 42.0 | 14.05 |
| 225.0 | 211.2 | 13.8 | 6.1 | September | 201.0 | 50.2 | 38.1 | 618.88 | 43.4 | 14.26 |
| 227.5 | 212.5 | 15.0 | 6.6 | October | 202.2 | 50.0 | 37.9 | 617.46 | 43.3 | 14.26 |
| 224.9 | 209.1 | 15.8 | 7.0 | November | 201.3 | 49.7 | 37.6 | 617.58 | 43.4 | 14.23 |
| 224.0 | 208.5 | 15.5 | 6.9 | December | 202.1 | 49.6 | 37.2 | 596.71 | 42.2 | 14.14 |
| | | | | 1990 | | | | | | |
| 222.3 | 197.0 | 25.3 | 11.4 | January | 189.0 | 41.5 | 29.2 | 579.83 | 42.2 | 13.74 |
| 221.0 | 203.7 | 17.4 | 7.9 | February | 196.2 | 49.2 | 36.9 | 591.63 | 41.9 | 14.12 |
| 221.3 | 205.0 | 16.3 | 7.4 | March | 198.2 | 49.3 | 37.0 | 596.24 | 41.9 | 14.23 |
| 221.8 | 206.6 | 15.2 | 6.9 | April | 200.8 | 49.3 | 37.1 | 602.45 | 42.1 | 14.31 |
| INA | INA | INA | INA | May | 204.3 | 49.9 | 37.5 | 634.38 | 43.6 | 14.55 |

INA – information not available

## Youngstown-Warren MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

| Total | Goods-Producing Industries | Construction | Manufacturing | | Service-Producing Industries | Transportation & Public Utilities | Wholesale Trade | Retail Trade | Finance, Insurance, & Real Estate | Services | Government |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 214 | 87 | 7 | 80 | 1979 | 127 | 10 | 8 | 38 | 7 | 37 | 26 |
| 203 | 78 | 7 | 71 | 1980 | 125 | 10 | 8 | 37 | 7 | 38 | 26 |
| 199 | 75 | 6 | 67 | 1981 | 124 | 9 | 8 | 36 | 7 | 39 | 25 |
| 181 | 59 | 5 | 53 | 1982 | 121 | 8 | 8 | 35 | 7 | 39 | 24 |
| 177 | 58 | 5 | 53 | 1983 | 119 | 8 | 8 | 34 | 7 | 39 | 24 |
| 182 | 61 | 6 | 55 | 1984 | 121 | 8 | 8 | 35 | 7 | 40 | 23 |
| 184 | 60 | 6 | 53 | 1985 | 124 | 8 | 9 | 37 | 7 | 41 | 23 |
| 187 | 59 | 7 | 52 | 1986 | 128 | 8 | 9 | 37 | 8 | 43 | 24 |
| 188 | 57 | 7 | 49 | 1987 | 131 | 8 | 10 | 39 | 8 | 44 | 24 |
| 194 | 58 | 7 | 51 | 1988 | 135 | 8 | 10 | 40 | 8 | 45 | 24 |
| 198 | 58 | 8 | 50 | 1989 | 140 | 8 | 11 | 42 | 9 | 46 | 24 |
| | | | | 1989 | | | | | | | |
| 197 | 59 | 8 | 51 | May | 139 | 8 | 11 | 42 | 9 | 46 | 24 |
| 198 | 58 | 8 | 50 | June | 139 | 8 | 11 | 42 | 9 | 46 | 24 |
| 195 | 55 | 8 | 47 | July | 140 | 8 | 11 | 42 | 9 | 46 | 24 |
| 199 | 58 | 8 | 50 | August | 140 | 8 | 11 | 42 | 9 | 47 | 24 |
| 199 | 58 | 8 | 50 | September | 141 | 8 | 11 | 42 | 9 | 47 | 24 |
| 200 | 58 | 8 | 49 | October | 142 | 8 | 11 | 43 | 9 | 47 | 25 |
| 199 | 57 | 8 | 49 | November | 142 | 8 | 11 | 42 | 9 | 47 | 24 |
| 200 | 58 | 8 | 50 | December | 142 | 8 | 12 | 42 | 9 | 47 | 24 |
| | | | | 1990 | | | | | | | |
| 193 | 50 | 8 | 42 | January | 143 | 8 | 12 | 43 | 9 | 47 | 25 |
| 201 | 58 | 8 | 50 | February | 143 | 8 | 12 | 43 | 9 | 47 | 24 |
| 201 | 58 | 8 | 49 | March | 143 | 8 | 12 | 43 | 9 | 48 | 24 |
| 201 | 58 | 8 | 49 | April | 144 | 8 | 12 | 43 | 9 | 48 | 24 |
| 202 | 58 | 8 | 50 | May | 144 | 8 | 12 | 43 | 9 | 48 | 25 |

## Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

| | Employment (in thousands) | | | Change[d] (in thousands) | |
|---|---|---|---|---|---|
| | May 1990[b] | Apr. 1990[c] | May 1989[c] | From Last Month | From Last Year |
| **Total** | 204.3 | 200.8 | 199.2 | 3.5 | 5.0 |
| **Goods-Producing Industries[e]** | 58.4 | 57.3 | 58.9 | 1.1 | -.5 |
| Construction | 8.1 | 7.5 | 7.8 | .6 | .3 |
| Manufacturing | 49.9 | 49.3 | 50.7 | .5 | -.9 |
| Durable Goods[f] | 44.6 | 44.1 | 45.8 | .4 | -1.2 |
| Primary Metal Industries | 18.8 | 18.6 | 19.0 | .2 | -.2 |
| Blast Furnace and Basic Steel Products | 6.1 | 6.0 | 6.1 | .0 | .0 |
| Fabricated Metal Products | 7.3 | 7.2 | 7.6 | .1 | -.3 |
| Metal Forgings and Stampings | 3.9 | 3.8 | 4.0 | .0 | -.2 |
| Industrial Machinery and Equipment | 4.4 | 4.2 | 4.3 | .1 | .0 |
| Transportation Equipment | 9.0 | 9.1 | 9.5 | -.1 | -.5 |
| Nondurable Goods[g] | 5.3 | 5.2 | 4.9 | .1 | .4 |
| **Service-Producing Industries** | 145.9 | 143.5 | 140.3 | 2.3 | 5.6 |
| Transportation and Public Utilities | 8.0 | 7.8 | 7.7 | .1 | .2 |
| Wholesale Trade | 11.9 | 11.8 | 10.8 | .1 | 1.0 |
| Wholesale Trade-Durable Goods | 7.4 | 7.3 | 6.9 | .1 | .4 |
| Wholesale Trade-Nondurable Goods | 4.5 | 4.5 | 3.9 | .0 | .6 |
| Retail Trade | 43.4 | 42.8 | 41.8 | .5 | 1.6 |
| General Merchandise Stores | 5.1 | 5.1 | 5.2 | .0 | -.2 |
| Finance, Insurance, and Real Estate | 8.8 | 8.7 | 8.6 | .1 | .1 |
| Finance | 4.7 | 4.7 | 4.6 | .0 | .1 |
| Services | 48.1 | 47.4 | 46.3 | .6 | 1.8 |
| Health Services | 21.1 | 21.0 | 20.7 | .1 | .4 |
| Nursing and Personal Care Facilities | 4.8 | 4.8 | 4.7 | .0 | .2 |
| Hospitals | 10.7 | 10.7 | 10.6 | .0 | .1 |
| Government | 25.8 | 24.9 | 25.0 | .9 | .8 |
| State Government | 4.4 | 4.1 | 4.6 | .4 | -.2 |
| State Government Education[h] | 2.9 | 2.6 | 3.1 | .4 | -.2 |
| Local Government | 19.0 | 18.6 | 18.3 | .4 | .7 |
| Local Government Education | 12.2 | 12.0 | 12.0 | .2 | .3 |

## Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

| | Average Weekly Earnings | | | Average Weekly Hours | | | Average Hourly Earnings | | |
|---|---|---|---|---|---|---|---|---|---|
| | May 1990[b] | Apr. 1990[c] | May 1989[c] | May 1990[b] | Apr. 1990[c] | May 1989[c] | May 1990[b] | Apr. 1990[c] | May 1989[c] |
| Manufacturing | $634.38 | $602.45 | $603.60 | 43.6 | 42.1 | 43.3 | $14.55 | $14.31 | $13.94 |
| Durable Goods[f] | 650.69 | 616.96 | 621.41 | 43.7 | 42.2 | 43.7 | 14.89 | 14.62 | 14.22 |
| Primary Metal Industries | 700.22 | 668.53 | 649.22 | 43.6 | 42.5 | 42.6 | 16.06 | 15.73 | 15.24 |
| Blast Furnace and Basic Steel Products | 673.95 | 693.53 | 614.71 | 46.9 | 47.6 | 45.1 | 14.37 | 14.57 | 13.63 |
| Fabricated Metal Products | 649.60 | 597.80 | 630.61 | 45.3 | 42.7 | 46.3 | 14.34 | 14.00 | 13.62 |
| Metal Forgings and Stampings | 791.11 | 700.04 | 737.80 | 47.6 | 43.0 | 47.6 | 16.62 | 16.28 | 15.50 |
| Industrial Machinery and Equipment | 520.75 | 487.22 | 501.06 | 42.2 | 40.2 | 42.0 | 12.34 | 12.12 | 11.93 |
| Transportation Equipment | 703.04 | 668.68 | 713.78 | 44.3 | 42.7 | 46.5 | 15.87 | 15.66 | 15.35 |
| Nondurable Goods[g] | 458.34 | 440.75 | 401.71 | 42.4 | 41.0 | 38.7 | 10.81 | 10.75 | 10.38 |
| Wholesale Trade | 385.28 | 377.03 | 361.00 | 38.8 | 38.2 | 38.0 | 9.93 | 9.87 | 9.50 |
| Retail Trade[i] | 184.80 | 178.92 | 184.79 | 28.3 | 27.4 | 29.1 | 6.53 | 6.53 | 6.35 |
| Finance, Insurance, and Real Estate | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Finance | 228.98 | 226.99 | 218.14 | .... | .... | .... | ..... | ..... | ..... |

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

# Minor Metropolitan Areas

**Hamilton–Middletown PMSA**
Nonagricultural payroll employment in the Hamilton-Middletown area increased 100 above the April level to 96,900 in May 1990. Employment in service-producing industries gained 200 jobs. Slight improvements in retail trade and services more than offset a decrease in state government. The goods-producing sector, at 27,400, lost 100 employees over the month. Reductions in durable-goods manufacturing, especially primary metal industries, negated seasonal growth in construction and mining. Factory production workers averaged $13.78 per hour, up 15 cents from April. Their average workweek of 45.9 hours was 1.4 hours longer. Nonfarm wage and salary employment advanced 1,100 between May 1989 and May 1990. The expansion was concentrated in service-producing industries. Notable gains were posted in services, state government, and retail trade. Employment in goods-producing industries declined 300 from the year-ago level. Reduced production in durable-goods manufacturing, particularly primary metal industries, outweighed modest growth in construction and mining.

**Lima MSA**
In the Lima metropolitan area, total nonfarm payroll employment rose 800 from April to 75,100 in May 1990. The number of employees in service-producing industries increased 600 primarily due to more business in retail trade. Cyclical upturns in construction and mining raised employment in the goods-producing sector 200 over the month to 26,900. Manufacturing production workers averaged $13.05 per hour, unchanged from April. Their average workweek of 41.8 hours was 0.5 hours longer. Nonagricultural wage and salary employment advanced 2,000 between May 1989 and May 1990. Expansion in service-producing industries, particularly retail trade, created 1,600 additional jobs. Improvements in construction and mining and in manufacturing increased goods-producing industries 400 during the period. Nominal growth in fabricated metal products, industrial machinery and equipment, and rubber and miscellaneous plastics products counterbalanced a reduction in transportation equipment.

**Lorain–Elyria PMSA**
Nonfarm wage and salary employment in the Lorain-Elyria metropolitan area totaled 94,400 in May 1990, up 700 from the April level. Improvements in retail trade, local government, and services raised employment in service-producing industries 700. The number of workers in the goods-producing sector was unchanged from last month at 32,400. More business in construction and mining offset reductions in manufacturing, especially transportation equipment. Factory production workers averaged $13.73 per hour, 16 cents higher than April. Their average workweek of 44.6 hours was 1.8 hours longer. Nonagricultural payroll employment advanced 600 between May 1989 and May 1990. Growth in retail trade and in transportation and public utilities contributed most to the increase of 1,500 jobs in service-producing industries. Over-the-year reductions in durable-goods manufacturing, particularly transportation equipment, lowered employment in goods-producing industries 900.

**Mansfield MSA**
Nonagricultural payroll employment in the Mansfield metropolitan area totaled 60,600 in May 1990, up 300 from April. Scattered increases, especially in retail trade, raised employment in service-producing industries 300. Employment in goods-producing industries was unchanged over the month at 20,600. Seasonal increases in construction and mining were counterbalanced by decreases in durable-goods manufacturing, especially electronic and other electric equipment. Factory production workers averaged $13.19 per hour, up 31 cents from April. Their average workweek of 41.0 hours was 1.1 hours longer. Nonagricultural wage and salary employment declined 400 between May 1989 and May 1990. Reductions in durable-goods manufacturing, particularly fabricated metal products, lowered employment in the goods-producing sector 1,100. Growth in retail trade raised employment in service-producing industries 700 over the year.

**Steubenville–Weirton MSA**
In the Steubenville-Weirton metropolitan area, nonfarm wage and salary employment rose 400 above the April level to 53,900 in May 1990. More business in transportation and public utilities, retail trade, and services increased employment in service-producing industries 400. A slight gain in construction raised employment in goods-producing industries 100 over the month to 20,500. Manufacturing production workers averaged $11.88 per hour, up 7 cents from April. Their average workweek of 44.4 hours was 1.1 hours longer. Nonagricultural payroll employment advanced 2,100 between May 1989 and May 1990. The service-producing sector added 1,600 jobs primarily due to growth in services and retail trade. Increases in construction and manufacturing raised employment in goods-producing industries 600 during the period.

## Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

**Hamilton–Middletown PMSA**

| | Estimates (in thousands) | | | Change[d] (in thousands) | |
|---|---|---|---|---|---|
| | Apr. 1990[b] | Mar. 1990[c] | Apr. 1989[c] | From Last Month | From Last Year |
| Civilian Labor Force | 132.3 | 130.4 | 131.3 | 1.9 | 1.0 |
| Employment | 124.0 | 122.2 | 124.5 | 1.8 | -.5 |
| Unemployment | 8.3 | 8.2 | 6.8 | .1 | 1.5 |
| Unemployment Rate | 6.3 | 6.3 | 5.2 | | |

## Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

| | Estimates (in thousands) | | | Change[d] (in thousands) | |
|---|---|---|---|---|---|
| | May 1990[b] | Apr. 1990[c] | May 1989[c] | From Last Month | From Last Year |
| **Total** | 96.9 | 96.8 | 95.9 | .1 | 1.1 |
| **Goods–Producing Industries** | 27.4 | 27.5 | 27.7 | -.1 | -.3 |
| Construction and Mining | 6.0 | 5.7 | 5.5 | .3 | .5 |
| Manufacturing | 21.4 | 21.8 | 22.3 | -.4 | -.9 |
| Durable Goods | 14.7 | 15.0 | 15.5 | -.3 | -.8 |
| Primary Metal Industries | 6.7 | 6.9 | 7.0 | -.3 | -.4 |
| Fabricated Metal Products | 2.4 | 2.4 | 2.4 | .0 | .0 |
| Industrial Machinery and Equipment | 2.5 | 2.5 | 2.4 | .0 | .1 |
| Nondurable Goods | 6.8 | 6.8 | 6.8 | .0 | -.1 |
| Paper and Allied Products | 4.8 | 4.8 | 4.9 | .0 | -.1 |
| Paper Mills | 3.6 | 3.6 | 3.7 | .0 | -.1 |
| **Service–Producing Industries** | 69.5 | 69.3 | 68.1 | .2 | 1.4 |
| Transportation and Public Utilities | 3.4 | 3.4 | 3.3 | .0 | .1 |
| Wholesale Trade | 5.7 | 5.7 | 5.7 | .0 | .0 |
| Wholesale Trade–Durable Goods | 3.9 | 3.9 | 3.9 | .0 | .0 |
| Retail Trade | 18.1 | 17.9 | 17.8 | .2 | .3 |
| Food Stores | 3.0 | 3.0 | 3.2 | .0 | -.2 |
| Finance, Insurance, and Real Estate | 4.7 | 4.6 | 4.8 | .0 | -.1 |
| Services | 19.6 | 19.6 | 18.9 | .1 | .7 |
| Health Services | 8.3 | 8.3 | 8.0 | .0 | .3 |
| Government | 18.0 | 18.2 | 17.6 | -.2 | .4 |
| State Government | 7.5 | 7.8 | 7.1 | -.3 | .4 |
| Local Government | 9.9 | 9.8 | 9.9 | .1 | .0 |
| Local Government Education | 6.4 | 6.4 | 6.4 | .0 | .0 |

## Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

| | Average Weekly Earnings | | | Average Weekly Hours | | | Average Hourly Earnings | | |
|---|---|---|---|---|---|---|---|---|---|
| | May 1990[b] | Apr. 1990[c] | May 1989[c] | May 1990[b] | Apr. 1990[c] | May 1989[c] | May 1990[b] | Apr. 1990[c] | May 1989[c] |
| Manufacturing | $632.50 | $606.54 | $621.35 | 45.9 | 44.5 | 46.3 | $13.78 | $13.63 | $13.42 |
| Durable Goods | 654.70 | 618.94 | 642.49 | 46.4 | 44.4 | 47.0 | 14.11 | 13.94 | 13.67 |
| Primary Metal Industries | 761.08 | 720.44 | 746.90 | 48.6 | 46.6 | 49.3 | 15.66 | 15.46 | 15.15 |
| Fabricated Metal Products | 504.15 | 478.39 | 535.92 | 41.7 | 40.1 | 43.5 | 12.09 | 11.93 | 12.32 |
| Industrial Machinery and Equipment | 639.54 | 598.64 | 651.01 | 49.5 | 47.1 | 51.1 | 12.92 | 12.71 | 12.74 |
| Nondurable Goods | 582.35 | 574.00 | 570.37 | 44.9 | 44.6 | 44.7 | 12.97 | 12.87 | 12.76 |
| Paper and Allied Products | 612.87 | 607.92 | 599.98 | 46.5 | 46.3 | 45.8 | 13.18 | 13.13 | 13.10 |
| Paper Mills | 605.53 | 621.71 | 613.64 | 45.7 | 46.5 | 46.0 | 13.25 | 13.37 | 13.34 |
| Wholesale Trade | 454.12 | 436.60 | 421.34 | 42.6 | 41.7 | 41.8 | 10.66 | 10.47 | 10.08 |
| Retail Trade[i] | 172.63 | 170.41 | 163.84 | 28.3 | 27.8 | 28.2 | 6.10 | 6.13 | 5.81 |

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [i]Money payments only; tips not included.
[j]Depressed due to labor-management disputes.

## Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

**Lima MSA**

| | Estimates (in thousands) | | | Change[d] (in thousands) | |
|---|---|---|---|---|---|
| | Apr. 1990[b] | Mar. 1990[c] | Apr. 1989[c] | From Last Month | From Last Year |
| Civilian Labor Force | 78.2 | 77.0 | 76.7 | 1.2 | 1.5 |
| Employment | 73.0 | 71.7 | 72.7 | 1.3 | .3 |
| Unemployment | 5.2 | 5.3 | 4.0 | -.2 | 1.2 |
| Unemployment Rate | 6.6 | 6.9 | 5.2 | | |

## Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lima MSA

| | Estimates (in thousands) | | | Change[d] (in thousands) | |
|---|---|---|---|---|---|
| | May 1990[b] | Apr. 1990[c] | May 1989[c] | From Last Month | From Last Year |
| **Total** | 75.1 | 74.4 | 73.1 | .8 | 2.0 |
| **Goods-Producing Industries** | 26.9 | 26.7 | 26.5 | .2 | .4 |
| Construction and Mining | 3.5 | 3.3 | 3.2 | .2 | .3 |
| Manufacturing | 23.5 | 23.4 | 23.3 | .0 | .1 |
| Durable Goods | 17.2 | 17.2 | 17.3 | .0 | -.1 |
| Fabricated Metal Products | 2.8 | 2.8 | 2.5 | .0 | .3 |
| Industrial Machinery and Equipment | 4.2 | 4.2 | 4.0 | .0 | .2 |
| Transportation Equipment | 7.3 | 7.3 | 7.9 | .0 | -.6 |
| Motor Vehicles and Equipment | 3.6 | 3.6 | 3.9 | .1 | -.3 |
| Nondurable Goods | 6.3 | 6.2 | 6.0 | .1 | .2 |
| Food and Kindred Products | 1.8 | 1.7 | 1.8 | .1 | .0 |
| Rubber and Miscellaneous Plastics Products | 2.1 | 2.2 | 2.0 | .0 | .2 |
| **Service-Producing Industries** | 48.2 | 47.7 | 46.6 | .6 | 1.6 |
| Transportation and Public Utilities | 3.3 | 3.2 | 3.0 | .1 | .3 |
| Wholesale Trade | 3.4 | 3.4 | 3.4 | .0 | .0 |
| Retail Trade | 15.0 | 14.7 | 14.1 | .3 | .9 |
| General Merchandise Stores | 2.1 | 2.1 | 1.9 | .0 | .2 |
| Finance, Insurance, and Real Estate | 2.1 | 2.1 | 2.1 | .0 | .0 |
| Services | 14.8 | 14.7 | 14.6 | .1 | .2 |
| Health Services | 6.5 | 6.5 | 6.3 | .0 | .3 |
| Hospitals | 3.1 | 3.1 | 3.1 | .0 | .0 |
| Government | 9.7 | 9.6 | 9.5 | .1 | .2 |
| Local Government | 7.1 | 7.0 | 7.1 | .1 | .0 |
| Local Government Education | 4.3 | 4.3 | 4.2 | .1 | .2 |

## Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lima MSA

| | Average Weekly Earnings | | | Average Weekly Hours | | | Average Hourly Earnings | | |
|---|---|---|---|---|---|---|---|---|---|
| | May 1990[b] | Apr. 1990[c] | May 1989[c] | May 1990[b] | Apr. 1990[c] | May 1989[c] | May 1990[b] | Apr. 1990[c] | May 1989[c] |
| Manufacturing | $545.49 | $538.97 | $549.53 | 41.8 | 41.3 | 42.5 | $13.05 | $13.05 | $12.93 |
| Durable Goods | 544.24 | 536.49 | 541.85 | 41.8 | 41.3 | 42.2 | 13.02 | 12.99 | 12.84 |
| Fabricated Metal Products | 385.63 | 346.63 | 371.21 | 42.8 | 40.4 | 41.2 | 9.01 | 8.58 | 9.01 |
| Industrial Machinery and Equipment | 448.61 | 454.86 | 465.76 | 39.7 | 39.9 | 41.0 | 11.30 | 11.40 | 11.36 |
| Transportation Equipment | 682.64 | 681.79 | 654.23 | 42.4 | 42.4 | 42.4 | 16.10 | 16.08 | 15.43 |
| Motor Vehicles and Equipment | 781.80 | 787.95 | 741.60 | 44.7 | 45.0 | 45.0 | 17.49 | 17.51 | 16.48 |
| Nondurable Goods | 548.00 | 545.08 | 573.75 | 41.8 | 41.2 | 43.4 | 13.11 | 13.23 | 13.22 |
| Food and Kindred Products | 395.41 | 381.19 | 351.14 | 42.2 | 40.9 | 40.5 | 9.37 | 9.32 | 8.67 |
| Rubber and Miscellaneous Plastics Products | 574.21 | 533.73 | 606.53 | 43.9 | 41.6 | 46.3 | 13.08 | 12.83 | 13.10 |
| Wholesale Trade | 366.52 | 368.45 | 375.94 | 38.1 | 38.3 | 38.4 | 9.62 | 9.62 | 9.79 |
| Retail Trade[f] | 189.27 | 188.30 | 166.44 | 29.9 | 29.7 | 28.5 | 6.33 | 6.34 | 5.84 |
| General Merchandise Stores | 165.62 | 166.78 | 160.58 | 26.8 | 26.9 | 25.9 | 6.18 | 6.20 | 6.20 |

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included.
[l]Depressed due to labor-management disputes.

## Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

**Lorain–Elyria PMSA**

| | Estimates (in thousands) | | | Change[d] (in thousands) | |
|---|---|---|---|---|---|
| | Apr. 1990[b] | Mar. 1990[c] | Apr. 1989[c] | From Last Month | From Last Year |
| Civilian Labor Force | 117.6 | 116.6 | 118.9 | 1.0 | -1.3 |
| Employment | 110.1 | 108.8 | 111.8 | 1.3 | -1.7 |
| Unemployment | 7.5 | 7.8 | 7.1 | -.3 | .4 |
| Unemployment Rate | 6.4 | 6.7 | 6.0 | | |

## Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

| | Estimates (in thousands) | | | Change[d] (in thousands) | |
|---|---|---|---|---|---|
| | May 1990[b] | Apr. 1990[c] | May 1989[c] | From Last Month | From Last Year |
| **Total** | 94.4 | 93.7 | 93.9 | .7 | .6 |
| **Goods–Producing Industries** | 32.4 | 32.3 | 33.3 | .0 | -.9 |
| Construction and Mining | 4.3 | 4.0 | 4.0 | .3 | .3 |
| Manufacturing | 28.1 | 28.4 | 29.3 | -.3 | -1.2 |
| Durable Goods | 23.4 | 23.6 | 24.6 | -.2 | -1.2 |
| Primary Metal Industries | 4.4 | 4.5 | 4.3 | .0 | .1 |
| Fabricated Metal Products | 4.2 | 4.2 | 4.3 | .0 | .0 |
| Transportation Equipment | 7.5 | 7.6 | 8.5 | -.2 | -1.0 |
| Nondurable Goods | 4.7 | 4.8 | 4.7 | .0 | .0 |
| **Service–Producing Industries** | 62.1 | 61.4 | 60.6 | .7 | 1.5 |
| Transportation and Public Utilities | 3.5 | 3.5 | 3.2 | .0 | .4 |
| Wholesale Trade | 2.4 | 2.4 | 2.5 | .0 | -.1 |
| Retail Trade | 17.4 | 17.2 | 16.6 | .3 | .8 |
| Finance, Insurance, and Real Estate | 3.2 | 3.2 | 3.1 | .0 | .1 |
| Services | 21.4 | 21.3 | 21.2 | .1 | .2 |
| Health Services | 8.6 | 8.6 | 8.5 | .0 | .2 |
| Hospitals | 4.2 | 4.1 | 4.1 | .0 | .1 |
| Government | 14.1 | 13.8 | 14.0 | .2 | .1 |
| Local Government | 11.7 | 11.5 | 12.0 | .2 | -.3 |
| Local Government Education | 7.9 | 7.8 | 7.8 | .1 | .1 |

## Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

| | Average Weekly Earnings | | | Average Weekly Hours | | | Average Hourly Earnings | | |
|---|---|---|---|---|---|---|---|---|---|
| | May 1990[b] | Apr. 1990[c] | May 1989[c] | May 1990[b] | Apr. 1990[c] | May 1989[c] | May 1990[b] | Apr. 1990[c] | May 1989[c] |
| Manufacturing | $612.36 | $580.80 | $550.37 | 44.6 | 42.8 | 41.6 | $13.73 | $13.57 | $13.23 |
| Durable Goods | 649.67 | 615.09 | 576.66 | 45.4 | 43.5 | 42.0 | 14.31 | 14.14 | 13.73 |
| Primary Metal Industries | 662.00 | 654.29 | 513.79 | 46.1 | 45.5 | 38.2 | 14.36 | 14.38 | 13.45 |
| Fabricated Metal Products | 457.63 | 390.98 | 419.13 | 45.4 | 40.1 | 42.9 | 10.08 | 9.75 | 9.77 |
| Transportation Equipment | 831.66 | 790.97 | 698.37 | 47.2 | 45.8 | 42.3 | 17.62 | 17.27 | 16.51 |
| Nondurable Goods | 402.00 | 390.00 | 390.43 | 40.0 | 39.0 | 39.2 | 10.05 | 10.00 | 9.96 |
| Wholesale Trade | 365.95 | 360.58 | 363.23 | 38.4 | 38.4 | 38.6 | 9.53 | 9.39 | 9.41 |
| Retail Trade[f] | 163.23 | 161.62 | 161.80 | 26.2 | 25.9 | 26.7 | 6.23 | 6.24 | 6.06 |

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included.
[i]Depressed due to labor-management disputes.

## Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

**Mansfield MSA**

| | Estimates (in thousands) | | | Change[d] (in thousands) | |
|---|---|---|---|---|---|
| | Apr. 1990[b] | Mar. 1990[c] | Apr. 1989[c] | From Last Month | From Last Year |
| Civilian Labor Force | 64.4 | 64.3 | 65.0 | .1 | -.6 |
| Employment | 60.1 | 59.8 | 61.4 | .3 | -1.3 |
| Unemployment | 4.3 | 4.5 | 3.7 | -.2 | .6 |
| Unemployment Rate | 6.7 | 7.0 | 5.6 | | |

## Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Mansfield MSA

| | Estimates (in thousands) | | | Change[d] (in thousands) | |
|---|---|---|---|---|---|
| | May 1990[b] | Apr. 1990[c] | May 1989[c] | From Last Month | From Last Year |
| **Total** | 60.6 | 60.3 | 61.0 | .3 | -.4 |
| **Goods-Producing Industries** | 20.6 | 20.6 | 21.6 | 0 | -1.1 |
| Construction and Mining | 2.3 | 2.1 | 2.2 | .2 | .1 |
| Manufacturing | 18.3 | 18.5 | 19.4 | -.2 | -1.1 |
| Durable Goods | 16.3 | 16.4 | 17.4 | -.2 | -1.2 |
| Fabricated Metal Products | 5.3 | 5.3 | 5.8 | 0 | -.5 |
| Electronic and Other Electric Equipment | 3.2 | 3.4 | 3.3 | -.2 | -.1 |
| Nondurable Goods | 2.1 | 2.1 | 2.0 | 0 | 0 |
| **Service-Producing Industries** | 40.0 | 39.7 | 39.3 | .3 | .7 |
| Transportation and Public Utilities | 3.0 | 3.0 | 3.0 | 0 | 0 |
| Wholesale Trade | 2.3 | 2.3 | 2.2 | 0 | .1 |
| Retail Trade | 12.3 | 12.2 | 11.5 | .1 | .8 |
| Finance, Insurance, and Real Estate | 2.4 | 2.4 | 2.5 | 0 | -.1 |
| Services | 12.6 | 12.5 | 12.6 | .0 | -.1 |
| Health Services | 4.3 | 4.4 | 4.3 | 0 | 0 |
| Government | 7.5 | 7.4 | 7.5 | .0 | 0 |
| Local Government | 5.6 | 5.6 | 5.7 | .0 | -.1 |
| Local Government Education | 3.9 | 3.8 | 4.0 | .0 | -.1 |

## Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Mansfield MSA

| | Average Weekly Earnings | | | Average Weekly Hours | | | Average Hourly Earnings | | |
|---|---|---|---|---|---|---|---|---|---|
| | May 1990[b] | Apr. 1990[c] | May 1989[c] | May 1990[b] | Apr. 1990[c] | May 1989[c] | May 1990[b] | Apr. 1990[c] | May 1989[c] |
| Manufacturing | $540.79 | $513.91 | $574.09 | 41.0 | 39.9 | 43.1 | $13.19 | $12.88 | $13.32 |
| Durable Goods | 558.96 | 533.32 | 599.62 | 40.8 | 39.8 | 43.2 | 13.70 | 13.40 | 13.88 |
| Fabricated Metal Products | 658.88 | 625.01 | 805.06 | 40.2 | 38.7 | 44.9 | 16.39 | 16.15 | 17.93 |
| Electronic and Other Electric Equipment | 429.16 | 430.00 | 475.89 | 39.3 | 40.0 | 43.5 | 10.92 | 10.75 | 10.94 |
| Nondurable Goods | 385.34 | 342.66 | 340.90 | 43.2 | 40.6 | 42.4 | 8.92 | 8.44 | 8.04 |
| Wholesale Trade | 350.38 | 333.20 | 338.23 | 40.6 | 40.0 | 40.8 | 8.63 | 8.33 | 8.29 |
| Retail Trade[f] | 164.82 | 165.54 | 154.01 | 26.8 | 26.7 | 26.6 | 6.15 | 6.20 | 5.79 |

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included.
[l]Depressed due to labor-management disputes.

## Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

**Steubenville–Weirton MSA**

| | Estimates (in thousands) | | | Change[d] (in thousands) | |
|---|---|---|---|---|---|
| | Apr. 1990[b] | Mar. 1990[c] | Apr. 1989[c] | From Last Month | From Last Year |
| Civilian Labor Force | 57.1 | 56.5 | 55.8 | .6 | 1.3 |
| Employment | 53.8 | 53.0 | 52.2 | .8 | 1.6 |
| Unemployment | 3.3 | 3.5 | 3.6 | -.2 | -.3 |
| Unemployment Rate | 5.8 | 6.2 | 6.5 | | |

## Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

| | Estimates (in thousands) | | | Change[d] (in thousands) | |
|---|---|---|---|---|---|
| | May 1990[b] | Apr. 1990[c] | May 1989[c] | From Last Month | From Last Year |
| **Total** | 53.9 | 53.5 | 51.8 | .4 | 2.1 |
| **Goods–Producing Industries** | 20.5 | 20.4 | 19.9 | .1 | .6 |
| Mining | 1.0 | 1.0 | .9 | .0 | .0 |
| Construction | 1.7 | 1.7 | 1.3 | .1 | .4 |
| Manufacturing | 17.8 | 17.8 | 17.7 | .0 | .1 |
| Durable Goods | 16.2 | 16.2 | 16.2 | .0 | 0 |
| Primary Metal Industries | 12.9 | 12.9 | 12.8 | .0 | .2 |
| Nondurable Goods | 1.6 | 1.6 | 1.5 | .0 | .1 |
| **Service–Producing Industries** | 33.4 | 33.1 | 31.8 | .4 | 1.6 |
| Transportation and Public Utilities | 3.4 | 3.3 | 3.2 | .1 | .2 |
| Wholesale Trade | 1.3 | 1.3 | 1.3 | .0 | .0 |
| Retail Trade | 9.6 | 9.5 | 9.1 | .1 | .5 |
| General Merchandise Stores | 1.7 | 1.7 | 1.5 | .0 | .2 |
| Finance, Insurance, and Real Estate | 1.7 | 1.7 | 1.7 | .0 | .0 |
| Services | 11.0 | 10.9 | 10.3 | .1 | .7 |
| Health Services | 4.5 | 4.5 | 4.5 | .0 | .0 |
| Hospitals | 2.4 | 2.4 | 2.4 | .0 | .0 |
| Government | 6.3 | 6.3 | 6.2 | .0 | .1 |
| Local Government | 5.4 | 5.4 | 5.3 | .0 | .1 |
| Local Government Education | 3.5 | 3.5 | 3.4 | .0 | .1 |

## Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

| | Average Weekly Earnings | | | Average Weekly Hours | | | Average Hourly Earnings | | |
|---|---|---|---|---|---|---|---|---|---|
| | May 1990[b] | Apr. 1990[c] | May 1989[c] | May 1990[b] | Apr. 1990[c] | May 1989[c] | May 1990[b] | Apr. 1990[c] | May 1989[c] |
| Manufacturing | $527.47 | $511.37 | $495.32 | 44.4 | 43.3 | 42.7 | $11.88 | $11.81 | $11.60 |
| Durable Goods | 552.66 | 533.28 | 524.92 | 45.3 | 44.0 | 44.0 | 12.20 | 12.12 | 11.93 |
| Primary Metal Industries | 575.82 | 572.14 | 551.49 | 45.7 | 45.3 | 44.8 | 12.60 | 12.63 | 12.31 |
| Nondurable Goods | 208.37 | 222.36 | 163.84 | 33.5 | 34.0 | 28.2 | 6.22 | 6.54 | 5.81 |
| Wholesale Trade | 315.51 | 323.83 | 326.61 | 39.0 | 39.3 | 38.2 | 8.09 | 8.24 | 8.55 |
| Retail Trade[f] | 167.26 | 161.79 | 167.04 | 27.6 | 27.1 | 29.0 | 6.06 | 5.97 | 5.76 |

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included. [l]Depressed due to labor-management disputes.

# Technical Notes

## Civilian Labor Force Estimates

**Civilian Labor Force.** Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence. Civilian labor force data for the metropolitan areas is not available for the current month.

**Total Employed.** Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

**Total Unemployed.** Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

## Nonagricultural Wage and Salary Employment

**Collection.** Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

**Industrial Classification.** Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1987) used for classification.

**Coverage.** Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 12,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample and a Measure of Error

| Industry Division | Approximate Percentage Covered by Sample | RMSE |
|---|---|---|
| Total | 42 | .2 |
| Goods–Producing Industries | 51 | .4 |
| Mining | 52 | 1.4 |
| Construction | 19 | 1.4 |
| Manufacturing | 57 | .4 |
| Service–Producing Industries | 38 | .2 |
| Transportation and Public Utilities | 45 | .3 |
| Wholesale Trade | 22 | .3 |
| Retail Trade | 21 | .4 |
| Finance, Insurance, and Real Estate | 43 | .3 |
| Services | 34 | .3 |
| Government | 71 | .3 |

**Measure of Error.** Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than 0.2 percent from the actual change.

**Nonagricultural Employment.** Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

**Estimating Method.** Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

**Benchmark Data.** Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1989 benchmark.

## Seasonally Adjusted Estimates

**Seasonal Adjustment.** To facilitate interpretation of underlying economic trends, selected Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

## Hours and Earnings

**Method of Computing Averages.** Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

**Definitions.** Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

*Production Workers.* Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

*Nonsupervisory Workers.* Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

*Payroll.* Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

*Hours.* Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

## Selected Employment Service Activities

| | Ohio | | |
|---|---|---|---|
| | May 1990 | April 1990 | May 1989 |
| New Applicants | 35,050 | 34,945 | 37,610 |
| Active File of Job Seekers | 203,235 | 207,792 | 253,047 |
| Counseling Interviews | 847 | 741 | 848 |
| Tests Administered | 2,272 | 2,274 | 1,665 |
| General Aptitude Tests | 236 | 221 | 65 |
| Proficiency Tests | 223 | 276 | 255 |
| Specific Aptitude Tests | 323 | 563 | 361 |
| Referrals to Jobs | 28,586 | 31,620 | 25,003 |
| Placements | 5,770 | 3,904 | 5,429 |
| Job Openings Received | 12,605 | 10,696 | 11,846 |
| Job Openings Unfilled | 21,849 | 19,527 | 22,812 |

## Selected Unemployment Insurance Activities

| | Ohio | | |
|---|---|---|---|
| | May 1990 | April 1990 | May 1989 |
| Initial Claims | 43,125 | 51,085 | 44,273 |
| Continued Claims | 398,808 | 414,423 | 360,018 |
| First Payments | 17,720 | 17,234 | 16,486 |
| Last Payments | 7,102 | 6,589 | 5,879 |
| Average Weekly Claimants | 83,033 | 99,737 | 75,764 |
| Average Weekly Benefit Recipients | 74,441 | 91,346 | 67,880 |
| Weeks Compensated | 344,711 | 365,385 | 285,947 |
| Benefits Paid | $56,753,663 | $60,752,213 | $44,342,459 |
| Average Weekly Payment | $168.39 | $169.77 | $160.66 |
| Continued Claims for Survey Week | 80,234 | 96,703 | 76,327 |
| Insured Unemployment Rate | 1.8 | 2.2 | 1.7 |
| Net Contributions | $277,753,987 | $91,737,959 | $349,578,476 |
| Active Employer Accounts | 205,506 | 207,217 | 203,010 |

OHIO BUREAU OF EMPLOYMENT SERVICES
LABOR MARKET INFORMATION DIVISION
145 SOUTH FRONT STREET
PO BOX 1618
COLUMBUS OH 43216-1618

Official Business
Penalty for Private Use $300

Postage and Fees Paid
Employment Security Mail
Lab 441

LMI/F
STATISTICAL REFERENCE INDEX
CONGRESSIONAL INFO. SERVICE
4520 EAST-WAY HWY.
BETHESDA MD 20814

# Labor Market Review

This periodical is published monthly by the Ohio Bureau of Employment Services in cooperation with the U.S. Department of Labor. For further information contact Keith Ewald, Director, Labor Market Information Division at (614) 644-2689.

If you do not wish to continue receiving this publication, please check here ☐ and return this cover to the address above.

If your address has changed, and you wish to continue receiving this publication, please indicate change(s) on address label and return this cover to the address above.